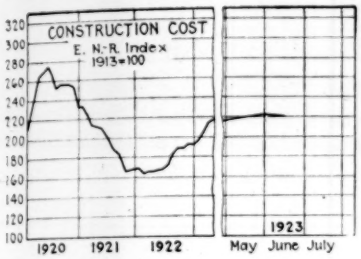
CONSTRUCTION NEWS

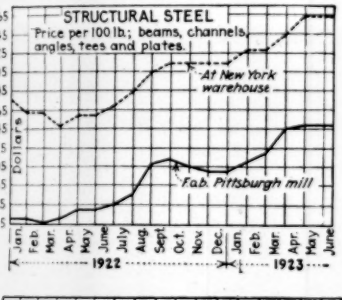
The Construction Barometer

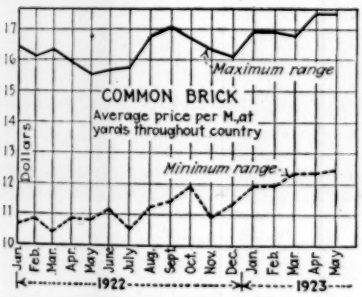
Decline In Price of Pig Iron — Little Change In Other Materials During Week

COST remains flat, the only important price development being the disappearance of the premium on steel. Shapes sell for $2.50 per 100 lb. at the mill. Indicative of lessening demand is the drop of nearly 308,000 tons of unfilled orders on the books of the U. S. Steel Corporation. Price of pig iron continues to decline.

Production is going forward at full speed to fill orders already placed. The volume of June contracts is 13 per cent lower than May. Next week special attention will be given to demand as in icated by tne latest figures of production and contracts awarded.







E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ending	Public Work	Private Work	Total Contracts
June 7	$25,144,000	$18,704,000	$43,848,000
June 14	23,681,000	14,052,000	37,733,000
June 21	15,417,000	20,308,000	35,725,000
3 weeks	$64,242,000	$53,064,000	$117,306,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

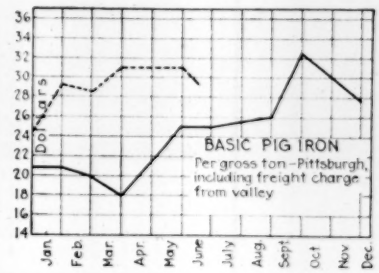
Week Ending	Public No.	Public Work	Private No.	Private Work
June 7	13	$2,558,000	37	$11,303,000
June 14	11	7,593,000	36	9,742,000
June 21	9	4,636,000	28	10,941,000
3 weeks	33	$14,787,000	101	$31,986,000

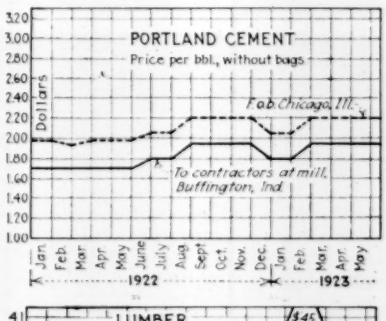
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

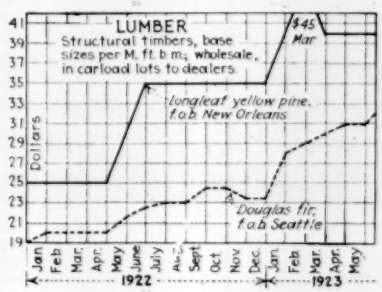
Week Ending	Public: Private	Public: All	Public: Streets and Roads	Public: Waterworks and Sewers	All Buildings
June 7	35	202	75	29	46
June 14	26	211	80	41	35
June 21	23	205	84	37	37

BASE PRICES FIRM—NO PREMIUMS ON STEEL

	Quoted on June 28, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	59.00	60.00	June 14
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	0.53	0.51	May 31







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close			See Eng. News-Record
July	2	Lathrop, Mo.	June 28
July	3	Ft. Worth, Tex.	June 14
July	3	Ft. Worth, Tex.	June 21
July	3	Madisonville, Tenn.	June 21
July	3	Niles, Ill.	June 28
July	5	Baltimore, Md.	June 28
July	5	Ft. Atkinson, Wis.	June 28
July	7	Tonawanda, N. Y.	June 28
July	7	Grandview Heights (Columbus P. O.), O.	June 28
July	9	Point Grey, B. C.	June 28
July	16	Lemmon, S. D.	June 28
July	17	Deland, Fla. Adv. June 21 and 28.	June 21

SEWERS

Bids Close			See Eng. News-Record
July	2	Akron, O.	June 21
July	2	Lewistown, Pa.	June 21
July	2	Lathrop, Mo.	June 28
July	2	New York, N. Y.	June 28
July	2	Bloomfield, N. J.	June 28
July	3	St. Louis, Mo.	June 14
July	3	Newton, N. J. Adv. June 21 and 28.	June 21
July	6	Grove City, Pa. Adv. June 21 and 28.	June 21
July	7	Grandview Heights (Columbus P. O.), O.	June 28
July	9	Los Angeles, Calif.	June 21
July	9	Shermerville, Ill.	June 28
July	10	Springwells, Mich.	June 21
July	10	Essex Junction, Vt. Adv. June 28.	June 28
July	11	Vero, Fla.	June 28
July	12	Anaheim, Calif.	June 28
July	17	Louisville, Ky. Adv. June 28.	June 28
July	30	Los Angeles, Calif.	June 28

BRIDGES

Bids Close			See Eng. News-Record
July	3	Alabama	June 7
July	3	Ableman, Wis.	June 28
July	5	Englishtown, N. J. Adv. June 21 and 28.	June 21
July	5	Florida	June 28
July	6	Alabama	June 21
July	6	Waycross, Ga.	June 21
July	6	Albany, Wis.	June 28
July	6	Georgia	June 28
July	6	Stoughton, Wis.	June 28
July	9	Akron, O.	June 21
July	9	New Jersey Adv. June 28.	June 28
July	10	Washington	June 28
July	12	Indianapolis, Ind.	June 28
July	12	Ft. Wayne, Ind. Adv. June 28.	June 28
July	18	Phila., Pa. Adv. June 28.	June 28
July	25	Bridgeport, Conn. Adv. June 28.	June 28
July	31	La Center, Wash.	May 3
Nov.	30	Sydney, Australia	Apr. 19
Aug.	1	Binghamton, N. Y. Adv. June 28.	June 28

DAMS

Bids Close			See Eng. News-Record
July	2	Beacon, N. Y. Adv. June 21 and 28.	June 21

Bids Close		See Eng. News-Record

RAILWAYS

July	5 New Jersey	June 28

EXCAVATION, DRAINAGE, IRRIGATION

July	5 Sisseton, S. D.	June 28
July	6 Corinth, Miss.	June 28
July	10 Ottumwa, Ia. Adv. June 21 and 28.	June 14
July	10 Merced, Calif.	June 28
July	11 Trenton, Mo.	June 28
July	17 Dunkirk, N. Y. Adv. June 21 and 28.	June 21
July	26 New Orleans, La. Adv. June 28.	June 28

STREETS AND ROADS

June	29 Medford, Mass.	June 28
July	2 North Tarrytown (Tarrytown P. O.), N. Y.	June 21
July	2 Ebensburg, Pa.	June 21
July	2 Wynnewood, Okla.	June 28
July	2 Gardner, Mass. Adv. June 28.	June 28
July	2 Mayersville, Miss.	June 28
July	2 New York, N. Y.	June 28
July	2 Michigan	June 28
July	2 Dayton, O.	June 28
July	2 Chicago, Ill.	June 28
July	3 University (St. Louis P. O.), Mo.	June 21
July	3 Alabama	June 7
July	3 Akron, O.	June 14
July	3 Trenton, N. J.	June 21
July	3 Michigan	June 28
July	3 Belleville, N. J.	June 28
July	3 Nutley, N. J.	June 28
July	3 Denver, Colo.	June 28
July	3 Louisville, Ky.	June 28
July	3 Marysville, Calif.	June 28
July	5 Maplewood (St. Louis P. O.), Mo.	June 14
July	5 Abbeville, La.	June 21
July	5 Lincoln, Neb.	June 21
July	5 Steelton, Pa. Adv. June 14 and 28.	June 28
July	5 Brooklyn, N. Y.	June 28
July	5 Baltimore, Md.	June 28
July	5 Sayre, Okla.	June 28
July	5 Lincoln, Neb.	June 28
July	5 Weleetka, Okla.	June 28
July	6 Mannington, W. Va.	June 21
July	6 Akron, O.	June 21
July	6 Virginia	June 21
July	6 Lancaster, S. C.	June 21
July	6 Greensburg, Pa.	June 14
July	6 Alabama	June 21
July	6 Quebec	June 28
July	6 Michigan	June 28
July	6 Scottsville, Mich.	June 28
July	6 Missouri	June 28
July	6 Fergus Falls, Minn.	June 28
July	6 Albany, Ga.	June 28
July	6 Nashville, Tenn.	June 28
July	6 Emporia, Kan.	June 28
July	6 Alabama	June 28
July	7 Grandview Heights (Columbus P. O.), O.	June 28
July	9 California	June 21
July	9 Laurel, Miss. Adv. June 28.	June 28
July	9 New Jersey Adv. June 28.	June 28
July	9 Michigan	June 28
July	9 Keyport, N. J. Adv. June 28.	June 28
July	9 East Grand Forks, Minn.	June 28
July	9 Kansas City, Mo.	June 28
July	9 St. Paul, Minn.	June 28
July	9 Ft. Davis, Tex.	June 28
July	9 Richmond, Va. Adv. June 28.	June 28
July	9 Edgerton, Wis.	June 28
July	10 Fairmont, W. Va.	June 21
July	10 St. Albans, W. Va.	June 21
July	10 Nashville, Tenn.	June 21
July	10 Circleville, O.	June 28
July	10 Michigan	June 28
July	10 Washington	June 28
July	10 Florida	June 28
July	11 Louisiana	June 28
July	11 Michigan	June 28
July	11 Vero, Fla.	June 28
July	12 Faribault, Minn.	June 21
July	12 Michigan	June 28
July	14 Bolivar, Pa.	June 28
July	15 Western Springs, Ill.	June 28
July	15 La Grange, Ill.	June 28
July	15 South Bend, Wash.	June 28
July	16 Plainfield, N. J. Adv. June 28.	June 28
July	17 St. Louis, Mo.	June 21
July	17 Pottsville, Pa. Adv. June 21 and 28.	June 28
July	18 New Mexico	June 28
July	24 West Virginia Adv. June 28.	June 28

INDUSTRIAL WORK

July	6 Verona, N. J.	June 28

Bids Close		See Eng. News-Record

BUILDINGS

July	1 Coffeyville, Kan.	June 28
July	2 Columbus, O.	June 14
July	2 Leavenworth, Kan.	June 28
July	2 Syracuse, N. Y.	June 28
July	2 Milwaukee, Wis.	June 28
July	2 Louisville, Ky.	June 28
July	3 Kitchener, Ont.	June 21
July	3 Bergenfield, N. J.	June 14
July	5 Bloomfield, N. J.	June 28
July	5 Pittsburgh, Pa.	June 28
July	6 Virginia, Minn.	June 7
July	6 Athens, O.	June 28
July	7 Athens, O.	June 28
July	9 Maplewood, N. J.	June 21
July	9 Easton, Pa.	June 21
July	10 Holdenville, Okla.	June 28
July	15 Astoria, Ore.	June 7
July	15 Knoxville, Tenn.	June 21
July	16 Dover, O.	Jnue 28
July	16 Pawhuska, Okla.	June 28
July	16 Nashville, Tenn.	June 28
July	20 Logan, O.	June 28
July	21 Pittsburgh, Pa.	June 28
July	24 Conrad, Pa.	June 21
Aug.	1 Jackson, Miss.	June 21

FEDERAL GOVERNMENT WORK

July	2 Bridge—Washington	June 28
July	3 Remodeling — Frankfort, Ky.	June 14
July	3 Bridges—California	June 28
July	3 Removing Superstructure, etc. —Duluth, Minn. Adv. June 28.	June 28
July	5 Pumps—New Orleans, La.	June 14
July	5 Extension — New York, N. Y.	June 21
July	9 Steps—Denver, Colo.	June 14
July	9 Dredging — Wilmington, Del. Adv. June 14 to 28.	June 14
July	10 Conveyor—Memphis, Tenn. Adv. June 21 and 28.	June 21
July	18 Extension—Pearl Harbor, H. T.	June 21
July	18 Fire Protection System — Pearl Harbor, H. T.	May 31
July	18 Storage Facilities — Pearl Harbor, H. T.	June 7
July	19 Tanks—Memphis, Tenn. Adv. June 21 and 28.	June 21
July	19 Dredging—New Orleans, La. Adv. June 21 and 28.	June 21
July	20 Dredging—Galveston, Tex. Adv. June 21 and 28.	June 21
July	20 Intake Chamber, etc.—Wash., D. C. Adv. June 21 and 28.	June 28
July	21 Dredging—Galveston, Tex.	June 28
July	31 Dredging—Baltimore, Md.	June 28

MISCELLANEOUS

July	2 Sea Wall — Vicksburg, Miss.	June 7
July	2 Asphaltic Cement—New York, N. Y.	June 28
July	2 Underground Return Lines—New York, N. Y.	June 28
July	3 Stone Crusher — Trenton, N. J.	June 21
July	5 Structural Steel Framing, etc. —New Orleans, La.	June 21
July	5 Landing — New Orleans, La.	June 28
July	11 Pier—San Diego, Calif.	June 28
July	16 Power Equipment—Taylorville, Ill. Adv. June 28.	June 28
July	20 Timber—Webb, N. Y. Adv. June 28.	June 28
Aug.	31 Cable and Accessories — Melbourne, Australia	June 21
Feb.	28 Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Allentown—Plans new mains in 15th Ward. $31,000. H. F. Bascom, city engr.

Md., Hagerstown—Having surveys made new water supply system from Potomac River, incl. filters, pumps, 7 mi. supply line, etc. $1,450,000. G. L. Bean, 806 Abbott Bldg., Phila., Pa., engr.

Miss., Greenwood—Plans extension to water system to incl. North Greenwood. W. S. Hawkins, engr.

Miss., Vicksburg—City having plans prepared 3 or more pumping plants in connection with drainage project and land reclamation along river front. Miller-Butterworth Co., 624 Southern Trust Co. Bldg., Little Rock, Ark., engrs.

Tenn., Covington—Voted $71,000 bonds for repairs to water and light plant. Oil burning engine and miscellaneous equipment, to Fairbanks Morse Co., 900 South Wabash Ave., Chicago.

O., Conneaut—Making plans 2 story, 125 x 150 ft. brick and concrete filtration plant, $150,000. Burgess & Nipel, 223 East Broad St., Columbus, engrs.

Ill., Mt. Prospect—Plans extensions to mains. $25,000. Consoer Eng. Co., 2007 Ogden Ave., Chicago, engrs.

Ill., Niles Center—See "Sewers."

Ia., Dubuque—See "Contract Awarded."

Minn., St. Paul—July 16, to vote on $870,898 bonds for Vadnais Lake conduit, $90,000 for Pleasant and Sucker Lake conduit and canal, $61,000 for Centerville conduit, $598,300 large feeder mains, $850,000 distribution mains, meters and other accounts for 5 years. G. M. Shepard, city engr.

Neb., Crawford—Voted $45,000 bonds for waterworks and extensions, incl. new settling basis, new filtration, raising dam, etc. J. J. Rasmussen, Crawford, engr. Noted June 14.

S. D., Castlewood—Making plans waterworks system. $18,000. Chenoweth, Kennedy & Rettinghouse, Boyce-Greeley Bldg., Sioux Falls, engrs.

Mo., Holden—Election soon to vote on $75,000 bonds for waterworks. Benham Eng. Co., 512 Gumble Bldg., Kansas City, engrs.

Tex., Hubbard—July 3, to vote on $55,000 bonds for new mains, pumps, etc. J. C. Mecklin, mayor. Engineer not announced.

Tex., Throckmorton—Making surveys reservoir, earth dam, concrete spillway, elevated tank and tower. Plans election to vote on $40,000 bonds. Baker & Von Zuben, Ellison Bldg., Ft. Worth, engrs.

Calif., Visalia—Plans to vote on $150,000 bonds to purchase and improve privately owned water works system, and construct extensions, latter to cost in excess of $25,000. L. H. Gadsby, city engr.

Ont., Kirkland Lake—Plans waterworks system, incl. c.i. mains, pumps, hydrants, valves, pump house, reservoir or tank, $150,000. M. Campbell, clk. Engineer not selected.

Ont., Toronto—Plans 9,000 ft. 6 in. c.i. mains in Beachwood and Rose Aves., Benson, McKinstry and Cline Sts., Dalewood, Dromore and Haddon Crescents, North Oval and Whitton Rd. $25,000. R. C. Harris, city engr.

Ont., York—York Twp. plans 18,000 6 in. c.i. mains in Queensdale, Poulton, Burgess, Knight, Lesmount, Edison, Cardona, Carlow, Sprule, Gordon, Carrington, Glenhaven, Hillsdale, Larratt, Orla and Syndicate Aves., Dilworth Crescent, Don Mills Rd. and 6th St. $45,000. F. B. Goedike, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

N. Y., Tonawanda—July 7, by Town Bd., Village Hall, mains in Water Dist. 4. To exceed $25,000. G. C. Diehl, Ellicott Sq. Bldg., Buffalo, engr.

Md., Baltimore—July 5, by Bd. Awards, 100,000 ft. (more or less) single vitr. clay conduit. C. F. Goob, ch. engr.

O., Grandview Heights (Columbus P. O.)—July 7, by E. Gross, village clk., 16,580 ft. 6 in. mains in Parkway N., Parkway Dr., Timberman and Copeland Rds., Goodale and Northwest Blvds., Thomas, Mulford, Dover, Norton, Holly and 2nd Aves. $50,000. Burgess & Nipel, 223 East Broad St., Columbus, engrs. Noted May 24.

Ill., Niles—July 3, waterwork incl. pumping station. $56,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Wis., Ft. Atkinson—July 5, by W. D. Leonard, city clk., brick, rein.-con. and steel pumping station, and rein.-con. reservoir, 60 ft. diameter, 15 ft. deep, 300,000 gal. capacity. $15,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Mo., Lathrop—July 2, at A. T. Archer & Co., engrs., 609 New England Bank Bldg., Kansas City, new water supply system here. $40,000. Former bids rejected. Noted June 14.

S. D., Lemmon—July 16 (change of date) by R. M. Watson, city aud., 2,200 lin.ft. 8 in. iron or wood mains, 2,100 lin.ft. 4 in. c.i. pipe, 24 x 35 ft. steel standpipe, pump and deep well, etc. $25,000. C. L. Pillsbury, Co., 1200 2nd Ave. S., Minneapolis, Minn., engrs. Noted June 21.

B. C., Point Grey—July 9, by H. Fl[illegible] clk., 17,000 ft. 4-8 in. lapwelded sheet [illegible]

Waterworks (Continued)

c.i. pipe, f.o.b. Vancouver. W. B. Greig, 5851 West Blvd., Vancouver, engr.

BIDS RECEIVED

Md., Baltimore — Bd. Awards, furnishing and delivering valves, Contr. 69, from Kennedy Valve Mfg. Co., East Water St., Elmira, N. Y., $56,362. Noted June 14.

CONTRACTS AWARDED

Md., Baltimore — Furnishing filter rate controllers and venturi meters for Montebello Filtration Plant, to Simplex Valve Co., 5722 Race St., Phila., Pa., $40,626.

La., Lecompte—W. H. Jones, mayor and Bd. Alderman, furnishing and erecting one 100 hp. and one 50 hp. oil engines directly connected to alternator, panel switchboard, motor driven domestic service pump, motor air compressor, to Fairbanks, Morse & Co., 608-14 Magazine St., New Orleans, $23,475; concrete reservoir, concrete foundation and new building, to Hayden Constr. Co., Pass Christian, Miss., $12,750; water well, to Gray Artesian Well Co., Amer. Natl. Bank Bldg., Pensacola, Fla., $4,000. Noted May 24 under "Industrial Works."

O., Columbus—See "Streets and Roads."

O., Dayton—Montgomery Co. mains in Oakwood Heights Sewer Dist., southern section to C. F. Smith & Son, 54 Davies Bldg., $121,609; northern section to Connelly Bros., Cincinnati, $41,470.

O., Upper Arlington (Columbus P. O.)—See "Streets and Roads."

Mich., Detroit—For 52 x 130 ft. pumping station, with 40 ft. well rein.-con., 5 electrically operated centrifugal pumps, two 24 in., two 15 in. and one 12 in., provision made for additional pumping units as needed, to Natl. Constr. Co., 1031 Dime Bank Bldg., $177,700. Noted June 21.

Mich., Detroit—Furnishing 250 tons centrifugal pipe in various sizes, to U. S. Cast Iron Pipe & Fdry. Co., East Burlington St., Burlington, N. J., 6 in. $0.94 per ft., 8 in. $1.34, 10 in. $1.81, 12 in. $2.60.

Wis., Oshkosh—New pumping machinery for waterworks plant, to Langstadt-Meyer Electric Co., 14 Waugoo St., $31,738. Noted May 31.

Minn., New Ulm—For 11,000 lin.ft. 4 and 6 in. c.i. mains and 20 hydrants, to Mankato Constr. Co., Mankato, $16,609, and Feyen Constr. Co., 277 Burgess St., St. Paul.

Ia., Dubuque—To J. A. Gregory, 1120 Iowa St., 2 pumping stations, $29,477 and $11,187 respectively; C. W. Varner, 1695 Washington St., drilling artesian well, $9,417. Mead & Seastone, engrs., Journal Bldg., Madison, Wis., soon take bids on equipment. Noted May 10.

Tex., Austin—Making plans 8 m.g. filtration plant, $25,000. C. E. Leonard, city engr. John B. Hawley, Cotton Exch. Bldg., Ft. Worth, consult. engr.

Tex., Edgewood—Waterworks and street lighting systems, to Municipal Eng. Co., Praetorian Bldg., Dallas, $40,000 and $15,000 respectively.

Tex., Ft. Worth—Pumphouse, to West & Womack, Dan Waggoner Bldg., $17,592; pumps, etc., to Conner-Hudson Co., Southwest Life Bldg., Dallas, $14,996; 500,000 gal. tank on 130 tower, to Pittsburgh-Des Moines Steel Co., Praetorian Bldg., Dallas, $30,000. Noted May 24.

Mo., Kansas City — Fire & Water Bd., 1,200 tons 8 in. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 604 Interstate Bldg., $70,980.

Sewers

PROPOSED WORK

Conn., East Hartford (branch of Hartford)—Plans 4,850 ft. 10-20 in. vitr. clay sewers in Governor and Main Sts. $40,000. C. H. Olmsted, Comstock Blk., engr.

Pa., Erie—Rejected bids Sewer Projects 1, 2, 3 and 5. $300,000. Will readvertise. F. G. Lynch, city engr. Noted June 7.

Pa., Pittston—See "Streets and Roads."

Fla., Bartow—July 17 to vote on $90,900 bonds for sanitary sewerage system. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Apr. 12.

Miss., Greenwood—Plans sanitary sewer extension $20,000 and storm sewer $18,500. W. S. Hawkins, engr.

O., Delaware—City of Columbus had plans prepared and soon takes bids sewage disposal plant at Girls' Industrial Home, here. R. H. Simpson, Columbus, engr.

O., Kenmore—Plans sewage disposal plant. $300,000. E. A. Schlegal, dir. Pub. Serv.

Ill., Bensonville—Plans sewerage system and sewage disposal plant. $100,000-$150,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Ill., Elmwood Park (Chicago P. O.)—Soon takes bids 4-12 in. mains. $330,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Ill., Niles Center — Plans extensions to sewers and watermains. $25,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Palatine—Plans sewerage system. $160,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs. Marr, Green & Co., 400 North Michigan Ave., Chicago, consult, engrs.

Ill., West Chicago—Soon takes bids storm sewerage system. $40,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Neb., Fairbury—July 3, to vote on $40,000 bonds for sewerage system and drainage work. H. W. Fouts, clk.

S. D., Castlewood—Making plans sanitary sewerage system. $25,000. Chenoweth, Kennedy & Rattinghouse, Boyce-Greeley Bldg., Sioux Falls, engrs.

Mo., Sikeston—Soon takes bids 27,000 ft. 8 in. vitr. and 25,600 ft. 10-48 in. segmental block sewers. $158,000. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, engr. Noted May 17.

Tex., Stamford—Making plans Imhoff tanks, sanitary sewers, etc., $30,000 bonds voted. John B. Hawley, 403 Cotton Exch. Bldg., engr. Noted May 31.

Ore., Albany—Takes bids about July 10, storm sewers. $65,000. Stevens & Koon, Spalding Bldg., Portland, engrs.

Calif., San Francisco—Plans constructing unit of Army St. sewer. $70,000. M. M. O'Shaughnessy, city engr.

Ont., Galt—Soon takes bids 9,000 ft. sanitary sewers along river. $35,681. D. T. Black, City Hall, engr. Noted Feb. 8.

Ont., Weston—Having estimates and plans prepared sewerage system, probably 10,000-12,000 ft. 8-12 in. vitr. tile. $30,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Vt., Essex Junction—July 10, by Bd. Village Trustees at office of A. Martin, village clk., sewerage system. L. A. Evans, pres.; adv. this issue.

N. Y., New York—July 2, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewers in west side of Amsterdam Ave., etc.

N. J., Bloomfield—July 2, by J. C. Johnson, town clk., 8,175 lin.ft. 8-12 in. sanitary sewers in Parkway W, Mill St., Myrtle, Weaver and Franklin Aves., $28,521; paving 3,000 sq.yd. Vesper and Orchard Places, Fontaine and Farrandale Aves., asphalt penetration telford, $6,300; curbing and paving 4,200 sq.yd. Race and Fulton Sts., asphalt penetration telford, $11,975. E. Baechlin, Natl. Bank Bldg., town engr. Noted Apr. 12.

Pa., Neville Island (McKees Rocks P. O.) Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, will build 1 story, 75 x 273 ft., structural shop, steel and concrete, here, by separate contracts. $75,000. L. Vincent, Jenkins Arcade, Pittsburgh, engr.

Fla., Vero—July 11, by F. E. King, mayor, 12,000 ft. 6-30 in. vitr. clay storm sewers, etc. $25,000. Carter & Damerow, Vero, engr.

Ky., Louisville—July 17, by Comrs. Sewerage, for Napolean Blvd. sewer and drain and Speed Ave. laterals "South." J. B. F. Breed, ch. engr.; adv. this issue.

O., Grandview Heights (Columbus, P. O.)—July 7, by E. Gross, village clk. 14,166 ft. 6-18 in. vitr. sewers in alleys in plats 4 and 5 in Northwest Blvd., and in addition to Grandview Heights. $25,000. Burgess & Nipel, 223 East Broad St., Columbus, engrs.

Ill., Shermerville—July 9, sewerage system. $130,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Mo., Lathrop—July 2, by A. T. Archer & Co., engrs., 609 New England Bank Bldg., Kansas City, sanitary sewers and disposal plant, here, for city. $60,000. Former bids rejected. Noted June 14.

Calif., Anaheim—July 12, by City Trustees, joint outfall sewer, Sect. 2, involves 12,278 ft. 27 in. and 17,300 ft. 30 in. pipe, 1,000 ft. pile trestle, etc.; Sect. 3, 5,062 ft. 24 in. and 13,201 ft. 27 in. pipe, etc.; Sect. 4, 9,249 ft. 24 in. pipe, etc.; segment block, vitr. or concrete pipe.

Calif., Los Angeles—July 30, by Bd. Pub. Wks., constructing ocean outlet, Sect. 1 of North Outfall sewer. W. T. Knowlton, city sewer engr. Noted May 10.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, June 20, constructing Sect. 2C, modification and extension of Biological Plant, 26th Ward Disposal Works, from Filtration & Disposal Corp., 132 Nassau St., New York, $458,000. Noted June 14.

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, June 20, timber supports Sect. 1, Fort Hamilton Parkway, from Necaro Co., Inc., 97 Court St., $153,300. Noted June 14.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, June 20, sewers in (1) Church St. (2) 64th St. (3) 84th St. (4) East 31st St. (5) East 8th St., from Necaro Co., Inc., 97 Court St., (1) 100.97% engrs. est. ($269,436); M. Tozzi, 1362 63rd St., (2) 88.25% ($7,145); Nazzaro & Querriero, (3) 88% $6,586); Tomasetti & Co., Inc., 1133 60th St., (3) 88% (4) 86% ($4,834); J. McBride, (5) 89.99% ($1,600). Noted June 14.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., June 21, sewer in Jarvis Ave., from McDonald & Wilson, $5,669; Pelham Parkway, from Anita Constr. Co., 2975 Marion Ave., $40,042; Tryon Ave., from Spadaro & Turiano, 3185 East Tremont Ave., $5,417.

O., Euclid—Inlet trunk sewer in Lake Shore Blvd. and Bliss Rd., 110 ft. No. 6 circular brick, 275 ft. 4-24 in. concrete and 700 ft. 24 in. tile pipe, from C. W. Jackson, 1318 East 84th St., Cleveland, $35,247.

O., Toledo—Storm water regulators and connections, brick manholes, Contr. 8, from Harris & Tansey, Toledo, $173,658.

Wis., Marshfield — Sanitary sewerage system, incl. 14,973 ft. 8-12 in. vitr. pipe, 45 manholes, etc., storm sewers incl. 4,765 ft. 10-30 in. pipe, 20 manholes, 3 catchbasins, 1 concrete outlet, 2,105 lin.ft. trunk sewer, from Pastoret Constr. Co., 308 Sellwood Bldg., Duluth, Minn., $77,192. Noted March 29.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to S. Ambrosio, 1016 60th St., sewer in Ave. I 93% of engrs. est. ($1,400), Ave. I 90% ($1,050); to C. F. Vacharas, 643 40th St., Benker St. 105% ($700) 72nd St., 95% ($400), Ave. J 94% ($400) 12th Ave. 99% ($1,680) 48th St. 109% ($1,539), East 10th St. 90% ($800); to B. Peconi & Sons, 76th St. 87% ($11,265); to Nazarro & Querriero, Bay 28th St. 91% ($6,834); to Tomassetti & Co., 1133 6th St., East 32nd St. 86.86% ($4,905). Noted June 14.

N. Y., Mamaroneck—E. L. Howe, village clk., completing sewage disposal works, to Mapes & Erway, Little Britain Rd., Newburgh. Engrs. est. $100,000. Noted May 10.

N. Y., Waterloo — Sanitary and storm sewer in Cox St., to R. J. Logan, 107 West Main St., $10.35 per lin.ft. Noted May 24.

Pa., Erie — For 11 sewers in Frontier Place Sub-division, 5 to F. G. and H. G. Diefendorf, Erie, $16,285; 6 to Doyle Contg. Co., Erie, $16,661. Noted June 7.

Pa., Erie—Mill Creek Valley monolithic sewer drain to F. G. Diefendorf, Erie, $43,006. Noted June 7.

Fla., Plant City—City will construct sanitary sewerage system, by day labor. Materials incl. 16,760 ft. 8 in., 1,300 ft. 10 in., 2,450 ft. 15 in. and 1,760 ft. 6 in. vitr. clay pipe, etc., to Macon Sewer Pipe Wks., Georgia Casualty Bldg., Macon Ga. Total cost $30,500.

O., Cleveland Heights (Warrensville, P. O.)—For 10,700 ft. 8-30 in. tile sewer in Silsby Rd., to Hadded-Mall Co., Schofield Bldg., Cleveland, $34,250. Noted June 21.

O., Columbus—See "Streets and Roads."

O., Upper Arlington (Columbus P. O.)—See "Streets and Roads."

Ind., Hammond — Sewerage system to Shea & Co., Hammond, $87,000.

Mich., Detroit—Connors Creek Sewer, Sect. 3, 5 centered concrete arch, to Lennane & Mc Ilvenna, 1121 Book Bldg., $663,285.

Wis., Milwaukee—For 2,900 wood piles in connection with sewage disposal plant, to Wheeler, Arnold Co., Wittenberg, $33,365; superstructure of screen house, 72 x 104 ft., brick and concrete, to P. Riesens Sons, 1018 Humboldt Ave., $58,973. Noted May 31.

Minn., Cloquet—See "Streets and Roads."

S. D., Yankton—State Bd. Charities & Correction, Pierre, 20,650 lin.ft. 12 and 15 in. sewers at State Hospital, here, to J. Jensen, 2407 Wirst St., Omaha, Neb., $31,544. Noted May 31.

Tex., Cisco—Additions to sewage disposal plant, by day labor. $25,000. Elrod Eng. Co., 3206 Elm St., Dallas, Engrs.

Calif., Long Beach — See "Streets and Roads."

Waste Disposal

PROPOSED WORK

Minn., Duluth—Submitted proposed ordinance authorizing $58,000 bonds for garbage incinerator. O. S. Olson, comr. This corrects report in May 31 issue.

Waste Disposal (Continued)

CONTRACTS AWARDED

Pa., Harrisburg — Superintendent Pub. Safety, 408 Dauphin Bldg., 50 ton incinerator plant, to Superior Incinerator Co., Dallas, Tex., $39,850.

Bridges

PROPOSED WORK

Mass., Springfield—City, Administration Bldg., and Boston & Albany R.R., South Station, Boston, plan reconstructing 40 ft. rein.-con. and steel bridge, 30 ft. wide, over railroad tracks on Berkshire Ave., here, $130,000. R. S. Marsh, city engr. Noted Nov. 16.

Alabama—State Hy. Dept., Montgomery, having plans prepared treated timber bridges, 18 ft. roadways, on Linden-Thomaston Rd., Marengo Co., 1½ in. cold mix bituminous concrete surfacing, $40,000; concrete bridges on Russellville-Phil Campbell Rd., Franklin Co., incl. one 80 ft. steel span, $50,000; 983 ft. concrete bridges, Clay Co., incl. one 120 ft. steel span, 18 ft. roadway, $90,000; 228 lin.ft. rein.-con. bridges, 18 ft. roadway, on Center-Etowah Co. line Rd., Cherokee Co., $25,000. W. S. Keller, state highway engr.

Kentucky — State Rd. Dept., Frankfort, having plans prepared 380 ft. concrete and steel bridge, 1 mi. south of Hazard, Federal Aid Project 104, Perry Co., three 100 ft. steel and two 40 ft. concrete spans; 200 ft. concrete and steel bridge 1 mi. north of Hazard, Federal Aid Project 103, Perry Co., two 100 ft. spans, trestle approaches; 200 ft. concrete and steel bridge over North Fork of Kentucky River, 3 mi. north of Hazard, Federal Aid Project 103, Perry Co., two 100 ft. spans; 280 ft. concrete and steel bridge, over Kentucky River, near Jeff Station, Perry Co., two 100 ft. steel and two 40 ft. concrete spans. J. S. Boggs, state highway engr.

Ohio—See "Streets and Road."

Ia., Cedar Rapids—Making plans Municipal Island improvement incl. one 90 ft. bridge span and 300 lin.ft. retaining wall, etc., along Cedar River, $75,000. Marsh Eng. Co., 206 Masonic Temple Bldg., Des Moines, engrs.

Calif., San Francisco—City and San Francisco Co. appropriated $30,000 to repair bridges on 4th, 6th and 7th Sts. and Islais Creek Bridge. M. M. O'Shaughnessy, city engr.

BIDS DESIRED

Conn., Bridgeport—July 25, by East Washington Ave. Bridge Comn., City Hall, constructing East Washington Ave. bridge. J. A. McElroy, city engr.; adv. this issue.

N. Y., Binghamton—Aug. 1, by Bd. Contr. & Supply, Municipal Bldg., 5 span rein.-con. arch bridge. W. E. Weller, city engr.; adv. this issue. Noted Feb. 22.

New Jersey—July 9, by State Hy. Comn., Trenton, 2 span steel and concrete bridge, State Highway Route 4, municipalities of Berkley and Lacey Twps., Ocean Co., also 1 span rein.-con. slab bridge, State Highway Route 16, Harding Twp., Morris Co. J. L. Vogel, 772 Broad St., Newark, bridge engr.; adv. this issue.

Pa., Phila.—July 18, by Delaware River Bridge Joint Comn., 806 Widener Bldg., anchorage cable bents for bridge over Delaware River, between here and Camden, N. J., adv. this issue.

Georgia—July 6, by State Hy. Dept., East Point, 371 ft. bridge on Elberton-Royston Rd., Elbert Co., 384.5 cu.yd. concrete, 52,010 lb. reinforcing, etc.; 214 ft. bridge on Columbus-Talbottom Rd., Muskogee Co., 1,520 lin.ft. wood piling, 373.9 cu.yd. concrete, 43,086 lb. reinforcing, etc.; 1,241 ft. bridge over Satilla River, Ware Co., Contr. 1, 16,379 cu.yd. earth embankment, 700 sq. yd. stone rip rap, 1,620 sq.yd. sand clay surfacing, etc., Contr. 2, 741 cu.yd. excav., 620 cu.yd. concrete in piers, 1,410 cu.yd. concrete, alternate with concrete bents supported by wood piling, 620 cu.yd. concrete in piers, 1,900 cu.yd. concrete, 2,482 sq.yd. 4 in. concrete paving, etc.

Florida—July 5, by State Rd. Dept., Tallahassee, constructing approaches to Safety Harbor Bridge, Project 527, Road 17, (130) Pinellas Co., both north and south approaches incl. timber protection work, being 1,555 ft. long. W. F. Cooke, state highway engr.

Louisiana—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ind., Ft. Wayne—July 12 by Comrs. Allen Co., bridge over Maumee River on Columbia St., O. M. Darling, co. engr.; adv. this issue.

Ind., Indianapolis—July 12 by Comrs. Marion Co., 23 bridges, $1,000-$5,000 each. J. J. Griffith, co. engr.

Wis., Albany—July 6, by Green Co., State Rd. Road and Bridge Com. at Village Hall, here, Sugar River Bridge, two 65 ft. span concrete deck girders. C. J. Smith, Monroe, comr.

Wis., Albeman—July 3, by Sauk Co. State Road and Bridge Com. at Village Hall, here, constructing Ableman Bridge, three 50 ft. concrete deck girder spans. W. Habersleben, Baraboo, comr.

Wis., Stoughton—July 6, by city, 2 span rein.-con. bridge over Yahara River on Forton St., earth approach and fill. T. Pankow, Washington Bldg., Madison, engr.

Missouri—July 6, by State Hy. Dept., Jefferson City, eleven 20 ft. rein.-con. slab spans, etc., over overflow of Grand River, two 10 ft. rein.-con. slab spans over stream, two 10 rein. slab spans, etc., over Indian Creek, one 40 ft. and four 20 ft. I-beam spans over Little Muddy Creek, one 40 ft. and four 20 ft. I-beam spans over Muddy Creek, one 40 ft. and four 20 ft. I-beam spans over Muddy Creek Drainage Ditch, two 150 ft. steel truss, four 40 ft. and two 20 ft. rein.-con. slab spans over Grand River, all foregoing in Davies Co.; one 60 ft., one 80 ft. and one 140 ft. steel truss spans, etc., over Salt River, one 80 ft. steel truss and six 20 ft. rein.-con. slab spans, etc., over Otter Creek, Monroe Co.; one 40 ft. rein.-con. deck girder span, etc., Mercer Co.; one 20 ft. rein.-con. slab span, etc., over Kaolin Branch, Iron Co.; one 40 ft. rein.-con. deck girder span, etc., Mercer Co.; one 40 ft. and two 25 ft. rein.-con. deck girder spans, etc., over Yellow Creek, Sullivan Co.; four 80 ft. steel truss spans, etc., over Salt River, Shelby Co.; one 120 ft. steel truss span, etc., over River Des Peres, St. Louis Co.; one 75 ft. steel truss, and four 20 ft. rein.-con. slab spans, etc., over Muddy Creek, Barton Co.; one 40 ft. rein.-con. deck girder span, over Mill Race, Jasper Co.; one 120 ft. steel truss span over Railey Creek, and three 20 ft. rein.-con. slab spans, etc., over Pine Run Creek, Stone Co.; three 10 ft. rein.-con. slab spans over Spring Creek, Douglas Co.; one 100 ft. steel truss span over Gladden Creek, and one 50 ft. steel truss span over Spring Creek, Dent Co.; one 12 ft. rein.-con. slab and one 60 ft. steel truss spans over Minnow Branch, Marion Co.; cleaning and repainting steel work on two 200 ft. and two 120 ft. steel truss spans over Merramec River, St. Louis Co. B. H. Piepmeier, state highway engr. Noted June 7 and 14.

Washington—July 10, by State Hy. Comn., Olympia, 2 rein.-con. bridges over Hama Hama River on Olympic Highway, Mason Co. J. Allen, state highway engr.

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, 1,388 ft. bridges on Demopolis-Linden-Millers Rd., Marengo Co., one 102 ft. steel span, from Bosworth-Smith Co., 1st Natl. Bank Bldg., Montgomery, treated timber, $74,438; The Smith Co., 30 3rd Ave. W., Birmingham, concrete $125,210; grading, gravel surfacing and bridging 6.19 mi. road from Wilcox Co. line to Thomasville, Clarke Co., from Stanley & Singer Constr. Co., Lafayette, with timber bridges $74,907, concrete bridges $80,205. Noted June 7.

Ky., Irvine—Estill Co., steel truss highway bridge over Kentucky River in South Irvine, from International Steel & Iron Co., 243 Edgar St., Evansville, Ind., $49,975. Vincennes Bridge Co., Vincennes, Ind., without end approach, $47,500. Noted May 24.

Ohio—See "Streets and Roads."

Ia., Davenport—Scott Co., 50 box culverts, 2 slab bridges, 3 pony truss and 6 I-beam spans, erection of 1 old truss on new abutments, from Miller-Fifield Constr. Co., L. & J. Bank Bldg., Waterloo, $116,301; W. D. Phelen Constr. Co., Davenport, $116,900.

Ia., Des Moines—Polk Co., one 40 x 24 ft., one 38 x 18 ft., two 36 x 18 ft. and one 40 x 18 ft. concrete girder bridges, one 100 x 18 ft. pony truss and one 10 x 10 ft. box culvert, from N. M. Stark & Co., 1213 Mulberry St., $37,212.

CONTRACT AWARD

Ohio—See "Streets and Roads."

O., Columbus—See "Streets and Roads."

O., East Sparta — Stark Co. (Canton), concrete arch bridge, here, to Roberts Supply Co., 419-21 Opera Blk., Lima, $47,810. Engrs. est. $56,000.

O., Navarre—Stark Co. (Canton) steel bridge, here, to Standard Eng. Co., Toledo, $38,787. Engrs. est. $40,000. S. K. Hilton, Genl. Del., Canton, local representative for contractor.

Ill., Algonquin—Concrete bridge to R. Fitzsimmons, Dundee. Engrs. est. $25,000.

Wis., Kewaskum—Washington Co. (West Bend), overhead bridge crossing highway north of here, to Newton Eng. Co., 185 Mason St., Milwaukee, 15,000 cu.yd. earth excav. $0.80, 3,500 sq.yd. concrete pavement $1.60, 475.4 cu.yd. concrete $23, 8,500 lb. reinforcing steel $0.05, etc., total $31,111.

Ia., Clinton—Clinton Co., one 3 span pony truss bridge over Wapsipinicon River, to A. Olson Constr. Co., 401 Black Hawk Bank Bldg., Waterloo, concrete figures $28.51, structural steel erected $0.0725, total $27,300.

Ia., Iowa City—Johnson Co., to A. P. Munsen, Marion, 7 circular and 9 box culverts, and 1 I-beam bridge, $13,778; to J. C. Watkins & Co., Marion, 15 box and 26 circular culverts, $18,690.

Mo., St. Louis—Dept. Pub. Serv., rein.-con. viaduct, 80 ft., with 550 ft. southern and 200 ft. northern approaches, on 14th St., to F. A. Stiers, 4500 Enright Ave., $468,943. Noted June 14.

Ont., Guelph—Wellington Co., concrete bridges, incl. Mount Forest Bridge, to J. Tilker, Harriston, $12,000; Augers and Creekbank Bridges to C. Martin, Fergus, $5,500; Hagarty Jordan and Schmidt Bridges, to E. Symmons, Drayton, $6,200; Erin Bridge, 35 ft. concrete truss, to W. Vallery Bellwood, $2,000; grading at Augers and Mount Forest Bridges, to W. Davies, Stratford, $12,415. Noted Apr. 19.

Dams

PROPOSED WORK

Wis., Peshtigo—See "Miscellaneous."

N. D., Grand Forks—Plans 10 ft. rock dam across Red River of the North. J. H Solstad, city engr.

Calif., Merced—Merced Irrigation Dist., had plans prepared for Exchequer Dam, 278,000 cu.yd. concrete. Starr, Thebo & Anderson, Sharon Bldg., San Francisco, engrs. R. C. Starrett, resident engr.

Calif., Ravendale — See "Excavation, Drainage, Irrigation."

CONTRACTS AWARDED

O., Troy—For 300 ft. low concrete dam in Miami River, to Price Bros., 54 Davies Bldg., Dayton, $59,000. Engrs. est. $65,000. Noted Jan. 18.

Railways

PROPOSED WORK

Kentucky—Louisville & Nashville R.R. Co., 10th St .and Bway., Louisville, plans 16.63 mi. second track from Baileys to Walls End, on Cumberland Valley Div. $1,799,579. W. H. Courtenay, ch. engr.

Texas—Texas & Pacific Ry., Texas & Pacific Bldg., Dallas, takes bids this summer, ballast, alterations, new steel, etc., in Paris yards. $25,000. E. F. Mitchell, ch. engr.

Canada—Canadian National R.R., 230 St. James St., Montreal, Que., soon takes bids following railways, from Sunny Brae to Guysboro, N. S., $3,500,000; Meductic, N. B., to United States boundary, $1,260,000; Long Lac to Nakima, Ont., $1,944,000; Thunder Hill Branch to Prince Albert Branch, Sask., $1,656,000; Bengough Branch past Fife Lake, Sask., $1,404,000; Turtleford Branch to near Hafford $2,313,000; Bunblane Branch to Mawrer, $2,767,000; Alliance Branch, Alberta, $1,034,000; Hanna Branch to Warden, Alberta, $1,445,000; Loverna Branch to Westerly, Alta., $1,362,000; Okanagan Branch to Kelowna and Lumly, $2,307,000; about $40,000 per mile. C. B. Brown, Montreal, ch. engr.

Ontario—Michigan Central Ry., 15th St., Detroit, Mich., plans to lay about 75 mi. new rails in Ontario this year and will reballast about 50 mi. between Villa Nova and United States border. $1,000,000. J. F. Diemling, ch. engr.

BIDS DESIRED

New Jersey—July 5, by S. Blum, Nutley, town clk. of Nutley, reconstructing 6,000 lin.ft. double track electric railway tracks, furnishing new rails, ties and ballast also laying 11,750 sq.yd. reclipped granite block on concrete, between tracks, on Franklin Ave. between Centre St. and Kingsland Rd. $135,000.

BIDS RECEIVED

New York—Transit Comn., 49 Lafayette St., New York City, June 20, switchback track and other miscellaneous work east of Queensboro Plaza Station, Corona Branch, Queensboro Rapid Transit R.R., Queensboro, Routes 36 and 37, Sect. 1, from B. T. and J. J. Mack, Inc., 200 Bway., New York City, $28,562. Noted June 14.

CONTRACT AWARDED

Florida—Florida East Coast Ry. Co., St. Augustine, constructing 1st section of Okeechobee-Miami extension, beginning at Okeechobee and running 20 mi. southward through Okeechobee and Palm Beach

Railways (Continued)

Counties, 25,000 cu.yd. earth excav., 125,000 cu.yd. earth fill, to J. N. Cole, Graham Bldg., Jacksonville. Noted June 7.

Michigan — Dept. Street Rys. St. Jean Ave., Detroit, special track work for street car lines, extensions and replacements, to W. Wharton, Jr. & Co., Easton, Pa., $41,360.

Wisconsin — Madison Street Rys., 2302 Fair Oaks Ave., Madison, will lay double track on East Johnson St. and extend track on Monroe St., by day labor. Private plans. Noted June 14.

Excavation, Drainage Irrigation

PROPOSED WORK

Fla., Bartow—Election July 17, to vote on $25,000 bonds opening up McKinney Creek to Peace River. C. V. Turner, city mgr.

Ia., Sioux City—Making plans changing channel of Perry Creek, 50,000 cu.yd. excav., also laying 14 x 39 ft. conduit. $335,000. L. N. Hintgen, Sioux City, engr.

Minn., Blue Earth—Faribault Co. making plans Judicial Ditch 6, 21,588 lin.ft. 6-12 in. new tile and reconstructing 55,491 lin.ft. 6-24 in. tile, etc. $25,000. Jones & Curtis, Fairmont, engrs.

Tex., Waxahachie—See "Miscellaneous."

Calif., Ravendale—Red Rock Irrigation Dist. having surveys made canals, dams, etc., for irrigation district, comprising 22,500 acres. About $40 per acre. Will vote on bonds for above. T. H. Means, 369 Pine St., San Francisco, consult. engr.

BIDS DESIRED

New York—Thomas Crimmins Contg. Co., Tuckahoe Rd. and Aqueduct, Yonkers, will sublet approximately 20,000 cu.yd. backfill and excavation, suitable for 40 ft. boom dragline machine, in Fort Hill and Yonkers.

Miss., Corinth — July 6, by Bd. Comrs. White Oak and Hatchie D. D. of Tippah and Alcorn Counties, at office T. H. Johnston, atty., Corinth, 246,327 cu.yd. drainage channels, etc. A. Livingston, Louisville, engr.

La., New Orleans—July 26, by Bd. Port Comrs., Court House, hydraulic dredging in Inner Harbor Navigation Canal between Lock and Louisville & Nashville R.R. bridge. J. H. Walsh, genl. mgr.; adv. this issue.

Mo., Trenton—July 11, by Bd. Supervs. Brimson D.D. of Grundy and Harrison Counties, at office of R. E. Kavanaugh. W. B. Hazen, 409 Empire Trust Bldg., St. Joseph, engr. Noted Nov. 30.

S. D., Sisseton — July 5, by Auditor Roberts Co. D. D. 1, 13,610 cu.yd. shallow ditch excav. and 11,750 ft. 6-24 in. tile. Dakota Eng. Co., 309-13 Western Natl. Bank Bldg., Mitchell, engrs.

Calif., Merced—July 10, by A. L. Cowell, secy. Merced Irrigation Dist., constructing Lateral Canal 9, Le Grand system, 47,434 ft. long, involving 50,000 cu.yd. earthwork, etc.; Lingard Lateral Canals, Le Grand system, 55,191 ft. long, 50,000 cu.yd. earthwork, etc. R. C. Starrett, ch. engr.

B. C., Vancouver—Dominion Government, Ottawa, Ont., will widen channel of first narrows by 500 ft. at entrance to Vancouver Harbor, 35 ft. deep, by day labor. $179,778 bonds voted.

CONTRACTS AWARDED

Wis., Biron (Wisconsin Rapids P. O.)—See "Miscellaneous."

Wis., Milwaukee—J. Hunholz, 2310 Vliet St., excavating for 6 story and basement 53 x 104 ft., brick and concrete apartment, plain foundation, to Cutter Constr. Co., 886 46th St. Noted May 24.

Minn., Albert Lea—C. Holway, aud. Freeborn Co., Judicial Ditch 9, 101,862 cu.yd. excav., leveling 25,428 lin.ft. spoil banks, 41,119 lin.ft. 6-40 in. drain tile, rein.-con. bulkhead and retaining wall, etc., to Rofdal & Curtis, Medford, $61,992. Noted May 24.

Minn., Alexandria — V. Thomas, aud. Douglas Co., Co. Ditch 23, 62,100 lin.ft. 6-30 in. drain tile, etc., to W. Bower, Long Prairie, $51,375. Noted May 31.

Minn., Fergus Falls—Otter Tail Co., May 25, Co. Ditch 70, furnishing 60,400 lin.ft. 6-24 in. drain tile, to Fergus Falls Tile Wks., Fergus Falls, $14,700; labor, to C. Jensen, Waseca, $9,469.

Tex., Houston—Harris Co. D. D. 12, c/o H. L. Washburn aud., 2,700,000 yd. excav. in Brays Bayou, to Howard Kenyon Dredging Co., 3603 McKinney Ave., Houston, $0.135.

Streets and Roads

PROPOSED WORK

N. Y., Dansville—Plans macadamizing 1.03 mi. Ossian St. $30,000. Engineer not announced.

N. Y., Jamestown—Plans paving 10th St. Livingston Ave., brick on concrete. $25,000. L. O. Bergman, city engr.

N. J., New Brunswick—Plans sheet asphalt paving on several streets. $151,450. A. Atkinson, Mine St., engr.

Pa., Pittston—Voted $275,000 bonds for street and sewer improvements. Engineer not announced.

Fla., Bartow—Election July 17, to vote on $75,000 bonds paving various streets. C. V. Turner, city mgr.

Fla., Bradentown—Comrs. Manatee Co. rejected bids grading, filling, bridging, creosoted piling and paving various streets. $50,000. McElroy Eng. Co., 32-34 Giddens Bldg., Tampa, engrs. Noted June 7.

Fla., Bushnell—Flagler Co. election July 10, to vote on $225,000 bonds paving "B" road Ocean Shore Impvt. Dist., rock, asphalt, macadam or concrete. J. C. Geiger, clk.

Fla., De Land—Volusia Co. election July 10, to vote on $225,000 bonds paving "A" road, Ocean Shore Impvt. Dist., 18 ft., rock, asphalt, macadam or concrete. S. D. Jordon, clk.

Fla., Tavares—Lake Co. election July 10, to vote on $100,000 bonds constructing roads and bridges in Yalaha, Okahunipka, Moscott and Graveland Dists. G. E. Heller, Tavares, engr.

Alabama—State Hy. Dept., Montgomery, having plans prepared grading and topsoiling 14.29 mi. Lineville-Delta Rd., Clay Co., $190,000; grading and gravel surfacing 11 mi. Linden-Thomaston Rd., Marengo Co., 12.128 mi. Jackson Highway, Franklin Co.; grading and surfacing with gravel and chert, 10.15 mi. CenterGadsden Rd., Cherokee Co., $95,000; grading, gravel surfacing and treated timber bridges on 10 mi. road from end of Federal Aid Project 73 to Mississippi State Line, Choctaw Co., $110,000. W. S. Keller, state highway engr.

Miss., Greenwood—Plans repaving 38,700 sq.yd. in business district and 120,000 sq.yd. new paving. W. S. Hawkins, engr.

Miss., Lexington—Plans paving 15,000 sq.yd. Court Sq. and Depot St. W. S. Hawkins, Greenwood, engr.

Kentucky—State Rd. Dept., Frankfort, having plans prepared surfacing Cumberland Ave., 16 ft. each side of boulevard, and Fitzpatrick Ave., 18 ft., total length 4,400 ft., State Project 38, Sect A., in city of Middlesboro, Bell Co. J. S. Boggs, state highway engr.

Kentucky—State Rd. Dept., Frankfort, having plans prepared grading 4 mi. Christopher-Jefferson Rd. (Hazard-Whitesburg Highway), State Project 4, Sect. A, Perry Co.; surfacing 3.56 mi. La Grange-New Castle Rd., State Project 19, Sect. A, Oldham Co. J. S. Boggs, state highway engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened June 22, grading, bridging and paving 9.052 mi. roads in Brown Co., waterbound macadam; 3.435 mi. roads in Clermont and Perry Counties, bituminous macadam; 2.367 mi. road in Harrison Co., rolled sandstone base; 1.38 mi. road in Trumbull Co., bituminous macadam or rein.-con. Noted June 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids which were to be opened June 19, grading, bridging and paving 14.331 mi. roads in Lawrence, Stark, Trumbull and Hardin Counties, also bridge in Lawrence Co. Noted June 7.

Ohio—Dept. Highways and Pub. Wks., Columbus, received no bids June 19, grading, bridging and paving 1.356 mi. Sect. "K" McConnelsville-Athens Rd., Morgan Co., bituminous macadam asphalt or tar, $39,084. Noted June 7.

Ohio — City of Columbus making plans filling, grading and waterbound macadamizing ½ mi. Eversole Rd., 16 ft., also 40 ft. concrete bridge, 18 ft. wide, on above road, Delaware Co. $60,000. C. B. Hoover, City Hall, Columbus, engr.

O., Canton—Stark Co. making plans paving 5 mi. Canton-Richville-Navarre Rd., 18 ft., probably brick, $175,000, state to appropriate $43,000 toward cost; 2 mi. Louisville-Ravenna Rd., 18 ft., brick $90,000, macadam $60,000, state to appropriate $26,000 toward cost. G. A. Sickafoose, Court House, engr.

Ind., New Albany—Bd. Pub. Wks. making plans hard surfacing, curbing and guttering Florence Ave., Vincennes and East 9th Sts., concrete or brick. $25,000. S. T. Mann, city engr.

Ill., Elizabeth—Making plans 11,000 sq.yd. concrete paving. $40,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Elmhurst—Receives bids July 15, 2 mi. concrete paving. $112,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Ill., Harvard—Plans bituminous macadam paving. $200,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Ill., Palatine—Plans concrete paving Colfax St. $50,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs. Marr, Green & Co., 400 North Michigan Ave., Chicago, consult. engrs.

Ia., Marshalltown—Marshall Co. election soon to vote on $800,000 bonds to improve Lincoln Highway and various roads. G. Enderly, co. aud.

Kan., Ft. Scott—Bourbon Co. making preliminary surveys paving 4½ mi. Ft. Scott-Kansas City Rd., Sect. 1, 16 ft., vitr. brick or macadam. B. Boyle, Co. engr.

Kan., Independence—Montgomery Co. had plans prepared paving 6 mi. Independence-Elk City Rd., 16 ft., bituminous macadam. H. K. Hibbard, co. engr.

Neb., Hastings—Soon takes bids 40,000 yd. paving, various types. P. T. Naylor, Hastings, engr.

Mo., St. Louis—Soon takes bids resurfacing with asphalt 9,055 sq.yd. Hamilton St., 7,500 lin.ft. granite curb, $27,500; 2,850 sq. yd. Kingsbury St., asphalt or bitulithic, 1,900 lin.ft. concrete curb, $10,000. W. W. Horner, City Hall, engr.

Tex., Cisco—Making plans paving 68 blocks, incl. West 4th, 5th, 6th, 9th, Bway. East 5th, Ave. A. and South Ave. D, probably brick. $250,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Tex., Corsicana—Navarro Co. plans election to vote on $4,500,000 bonds improving various roads. McClendon & Purnell, Corsicana, engrs.

Tex., Franklin—Robertson Co. making plans grading and gravel surfacing 15 m. State Highway 43 A, 16 ft. $120,032. L. A. Peterman, resident engr.

Tex., Rock Springs—Edwards and Kerr Counties making plans grading and topping 18 mi. road from here toward Kerrville, 18 ft., waterbound macadam. $168,000. W. E. Simpson Co., N. B. C. Bldg., San Antonio, engrs.

Okla., Barnsdall—Takes bids after July 3, for 7,000 sq.yd. concrete paving. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Bartlesville—E. D. Kirkpatrick, engr., Bartlesville, takes bids about July 1, 20,000 sq.yd. concrete paving for city. Noted Apr. 26.

Okla., Paul Valley—Soon takes bids paving Dist. 18, various types. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Sayre — Soon takes bids paving Dist. 8, 15,000 sq.yd. concrete. $56,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 14.

Okla., Tulsa—Tulsa Co. voted $2,000,000 bonds hard surfacing various roads. Noted Jan. 11.

Okla., Vinita—Craig Co. plans election soon to vote on $100,000 bonds for road work. Noted May 24.

Wash., Seattle — Bd. Pub. Wks. opens bids about Sept. 1, grading and paving 3 mi. 16th Ave. S. W. $100,000. J. D. Blackwell, city engr.

Calif., Oroville—Having plans prepared curbing, guttering and paving 22 blocks. To exceed $25,000. S. J. Norris, city engr.

Calif., San Diego—Common Council had plans prepared improving Ash St. between 5th and Atlantic Sts., 145,042 sq.ft. 2 in. asphaltic concrete on 3 in. bituminous, etc.; Beech St. between 5th and Atlantic Sts., 141,234 sq.ft. 2 in. asphaltic concrete on 3 in. concrete, etc. F. A. Rhodes, city engr.

Calif., San Francisco—City appropriated $15,000 to pave 2nd St. and $12,500 paving Main St. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—City Supervs. appropriated $71,000 for repairs to Liberty, Sanchez and Collingwood Sts. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—City and San Francisco Co., had plans prepared improving Jamestown St. between 3rd St. and Ingalls Ave., 18,548 sq.ft. artificial stone walks, 39,776 sq.ft. asphaltic concrete, etc. $25,000. M. M. O'Shaughnessy, city engr.

Que., Montreal—Plans asphalt surfacing 960 ft. Mousseau St., 30 ft., $13,720, 2,884 ft. Girouard Ave., 52 ft., $62,300; 5 ft. concrete sidewalks on 490 ft. Mousseau St., 1,070 ft. Clarke St., $5,108, 9 ft. concrete sidewalks on 122 ft. Victoria St., $810; concrete slab on 6,200 ft. Frontenac St., both sides, $4,744, 1,020 ft. Desjardins St., $808, 600 ft. Larivierie St., $485. E. Gauthier, city clk.

Que., Montreal—City soon takes bids surfacing 7 mi. Gouin Blvd., 18 ft., asphalt on concrete. $300,000. H. A. Terreault, Dept. Pub. Wks., engr.

Ont., Ft. William — City Council plans 9,000 sq.yd. concrete, asphalt or waterbound macadam paving, $50,000. C. B. Symes, city engr.

Ont., Newmarket — Plans to lay 12,000 sq.yd. concrete, asphalt or bitulithic pavement, $30,000-$50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Streets and Roads (Continued)

BIDS DESIRED

Mass., Gardiner—July 2 by F. W. Proctor, supt. of streets, approximately 4,000 sq.yd. paving; adv. this issue.

Mass., Medford—June 29, by E. E. Gaffey, street comr., concrete and bituminous macadam paving. To exceed $100,000. Noted June 14.

N. Y., Brooklyn—July 5, by E. Riegelmann, boro pres., Boro Hall, asphalt paving Delaware Pl., Gelston and Tompkins Ave., Bay 31st, East 40th, 66th, 70th, 72nd, and 90th Sts.; recurbing 6th Ave.; grading, curbing and flagging Delaware Pl.

N. Y., New York—July 2, by J Miller, pres. Manhattan Boro, Municipal Bldg., repaving Spruce and Dey Sts., granite blocks, 78th and 112th Sts., sheet asphalt.

New Jersey—July 9, by State Hy. Comn., Trenton, sheet asphalt paving Rahway Ave. in Elizabeth, Union Co.; rein.-con. paving Bluff Rd.—Anderson Ave., and Broad Ave. —Glenn Rd., both in Bergen County. A. L. Grover, ch. clk.; adv. this issue.

N. J., Belleville—July 3, by Purchasing Agent Essex Co., Court House, Newark, storm drain in Rutger St. at Washington Ave.; also paving 25 mi. Rutgers St., 30-80 ft., 10 in. rein.-con. and granite block on 6 in. concrete, here, $36,000. W. A. Stickel, Court House, Newark, engr.

N. J., Bloomfield—See "Sewers."

N. J., Keyport—July 9, by T. L. Smith, mayor, and Boro Council, concrete paving Maple Pl. J. T. Hopkins, special boro engr.; adv. this issue.

N. J. Nutley—July 3, by G. C. Bergen, purch. agt. Essex Co. (Newark) improving 1.14 mi. Franklin Ave., here, 3 in. sheet asphalt or 2½ in. asphalt block on 6 in. concrete, also storm drain on above street. $130,000. W. A. Stickel, Court House, Newark, engr. Noted May 3, under Newark.

N. J., Nutley—See "Railways under New Jersey."

N. J., Plainfield—July 16, by Common Council, curbs, gutters, laying sewers and bituminous macadam pavement. J. J. Carroll, city clk.; adv. this issue.

Pa., Bolivar—July 14, by Boro. Council, rein.-con. paving 3,000 ft. 2nd and Market Sts., 24 ft. $25,000. W. M. Wynn and B. R. Hebrank, boro. engrs.

Pa., Pottsville—July 17 (change of date) grading, curbing and paving portions of several streets. J. H. Strauch, city engr.; adv. this issue. Noted May 24.

Pa., Steelton—July 5, grading, curbing and paving South 4th and Highland Sts. H. R. Rupp, 114 Walnut St., boro. secy.; adv. this issue.

Md., Baltimore—July 5 by Bd. Awards, Contr. 240-NA, 11,330 sq.yd. old granite block redressed and relaid. R. K. Compton, 214 East Lexington St., chn. paving comn.

Va., Richmond—July 9, at office A. J. Saville, dir. Pub. Wks., paving Broad St.; adv. this issue.

West Virginia — July 24, by State Rd. Comn., Charleston, grading and bituminous macadam paving Projects 3151 C and 48, Boone Co., Projects 3162 and 50, Clay Co.; concrete paving Projects 3176 and 3114 B and D, Brooke Co.; grading and concrete paving Project 3252 A, Pleasants Co., Project 3186, Preston Co.; brick paving Projects 3252 and 3089 Hancock Co., grading and waterbound macadam paving Project 3197 B, Tyler Co. and Project 3013, Hardy Co.; grading Project 3237, Mason Co.; constructing Five Mile Bridge 857, Project 3138, Mason Co.; concrete arch, Project 2064, Ohio Co. E. B. Carskadon, secy.; adv. this issue. Noted June 21.

Georgia—July 6, by State Hy. Dept., East Point, paving 74,544 sq.yd. Albany-Thomasville Rd., 1½ in. asphalt on 1½ in. binder course, Albany Co.; topsoiling 1,963 cu.yd. Elberton-Royston Rd., Federal Aid Project 330, Elbert Co.; surfacing 66,307 sq.yd. Waycross-Folkston Rd., 3 in. penetration macadam, Ware Co.

Florida—July 10, by State Rd. Dept., Tallahassee, constructing and improving 7 mi. Rd. 5, Project 564, Charlotte Co. W. F. Cocke, state highway engr.

Fla., Vero—July 11, by F. E. King, mayor, improving various streets, 19,700 cu.yd. sub-grading, 101,000 sq.yd. waterbound macadam paving, asphalt surface treatment, 65,000 lin.ft. concrete curbing, etc. $200,000. Carter & Damerow, Vero, engr.

Alabama—July 6, by W. S. Hardin, connected with State Highway Dept., Montgomery, grading and paving 11 mi. Marion and Browns Station Rd., 20 ft., Marion and Dallas Counties. W. S. Keller, state highway engr.

Miss., Laurel—July 9, by Mayor and Bd. Comrs., paving, etc., various streets. J. H. Pace, street comr.; adv. this issue.

Miss., Mayersville—July 2, by Hy. Comrs. 5th Supervs. Dist., Issaquena Co., gravel surfacing 13 mi. road, 30,000 ton gravel f.o.b. Grace and Glen Allen. W. L. Thompson, 324 Weinberg Bldg., Greenville, engr.

Louisiana—July 11, by State Hy. Dept., Baton Rouge, grading, constructing bridges and gravel surfacing 9.237 mi. Burnside-Hope Villa Highway, State Project 130, Ascension Parish; 4.64 mi. Monroe-Rayville Highway, Federal Aid Project 118, Ouachita Parish; 2.44 mi. Rayville-Monroe Highway, Federal Aid Project 119, Richland Parish. J. M. Fourmy, state highway engr.

Tennessee—July 6, by State Hy. Dept., Nashville, surfacing, etc., 10.7 mi. road, bituminous macadam on limestone, 16 ft., Robertson Co. Former bids rejected. J. G. Creveling, comr. Noted June 14.

Ky., Louisville—July 3, by Bd. Pub. Wks., waterbound macadam or brick paving various streets and alleys, mainly on Walnut, 35th and 37th Sts. To exceed $25,000.

O., Circleville—July 10, by N. R. Huston, dir. Pub. Serv., sandstone curbing and vitr. brick paving 5,338 sq.yd. Ringgold Pike. $26,000.

O., Dayton—July 2, by Dept. Pub. Serv. paving 4,500 sq.yd. Grafton Ave., vitr. brick $21,201; 1,500 sq.yd. concrete on 2 alleys, $6,000. I. E. Houk, city engr.

O., Grandview Heights (Columbus P. O.) —July 7, by E. Gross, village clk., grading and asphaltic concrete paving 11,876 ft. Parkway N, Parkway Dr., Timberman Rd., Ridgeway Pl., Mulford, Thomas, Holly, Norton, Dover, Glenn and 2nd Aves., $170,637; two driveways with park between on Northwest Blvd., 1,900 ft., single and 2,975 ft. double driveways, each 22 ft., $99,796. Burgess & Nipel, 223 East Broad St., Columbus, engrs. Noted Apr. 12.

Michigan—July 3, by State Hy. Dept., Lansing, grading 14.654 mi. Federal Aid Project 73, Sects. A, B, D and E. 115,384 cu.yd. earth excav., etc. F. F. Rogers, Monroe Co., state comr.

Michigan—July 6, by State Hy. Dept., Lansing, grading and surfacing 5.227 mi. Federal Aid Project 104, Mason Co., 55,199 sq.yd. concrete, 22,748 cu.yd. earth excav. F. F. Rogers, state comr.

Michigan—July 9, by State Hy. Dept., Lansing, fine grading and surfacing 0.568 mi. Federal Aid Project 35, Sect. F, Jackson Co., 4,380 sq.yd. asphalt, 837 sq.yd. concrete, 2,850 lin. ft. concrete curb and gutter, etc. F. F. Rogers, state comr.

Michigan — July 9, by State Hy. Dept., Lansing, grading and surfacing 1.131 mi. State Trunk Line Rd. 55-4, Sect. A, 13,295 sq.yd. concrete, 5,016 cu.yd. earth excav. F. F. Rogers, comr.

Michigan—July 10, by State Hy. Dept., Lansing, grading and surfacing 1.94 mi. State Trunk Line Rds. 11-48 and 13-45, Petoskey Co., 20,510 sq.yd. asphalt, concrete or bituminous concrete, 7,686 cu.yd. earth excav.

Michigan—July 11, by State Hy. Dept., Lansing, grading and surfacing 5.977 mi. Federal Aid Project 102, Sect. A, Antrim Co., 56,571 sq.yd. gravel, 51,188 cu.yd. earth excav.

Michigan—July 12, by State Hy. Dept., Lansing, grading and surfacing 53,676 sq.yd. Federal Aid Project 121, Macomb Co.; 14,819 sq.yd. State Trunk Line Rds. 53-2 and 53-7 Sect. A, Romeo Co., asphalt, concrete or bituminous concrete. F. F. Rogers, state comr.

Mich, Scottsville—July 6, by State Hy. Dept., Lansing, grading and surfacing 0.512 mi. State Trunk Line Rd. 11-37, 5,055 sq.yd. asphalt, concrete or bituminous concrete, etc.

Ill., Chicago — July 2, at office H. A. Zender, supt. Pub. Serv. Cook Co., paving with (a) bituminous concrete with binder course (b) without binder course (c) cement concrete 1,798 ft. Sect. 99A-15 D, Route 1-C, New Trier Twp. (a) $15,230 (b) $14,409 (c) $12,069; 2,095 ft. Sect. 91-B-15D, Route 34, Proviso Twp. (c) $13,720; 700 ft. Sect. 73B-15D, Route 23, Orland Twp. (c) $5,239; 2,639 ft. Sect. 166-15D, Route 29, Worth Twp., (a) $34,258 (b) $32,454 (c) $27,314; 3,952 ft. Sect. 156-15D, Route 51, Thornton Twp. (a) $41,324 (b) $39,455 (c) $34,124; 7,975 ft. Sect. 165-15D, Route 20, Worth Twp. (a) $107,471 (b) $102,017 (c) $86,467; 9,379 ft. Sect. 29A-15D, Route 20, Worth Twp. (a) $76,793 (b) $72,572 (c) $60,539.

Ill., La Grange—July 15 for 14,000 sq.yd. concrete paving. $60,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Ill., Mascoutah—Receiving bids concrete paving Railway Ave. and Market St., $30,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Western Springs—July 15, for 160,000 sq.yd. concrete sidewalks. $50,000. E. Hancock, 2007 Ogden Ave., Chicago, engr.

Michigan—July 2, by State Hy. Dept., Lansing, grading and surfacing 13,724 sq.yd. State Trunk Line Road 17-6, Sect. A, Ypsilanti Co., 6,056 sq.yd. State Trunk Line Road 17-N, Sect. B, Ann Arbor Co., 46,330 sq.yd. Federal Aid Project 74, Sect. D, and 17,447 sq.yd. State Trunk Line Road 85-2, both Washtenaw Co., all with asphalt, concrete or bituminous concrete. F. F. Rogers, state comr. Noted June 21.

Wis., Edgerton—July 9, by G. Blanchard, clk., concrete paving 16,055 sq.yd. Victoria and North 3rd Rds., Randolph, Blaine, West and High Sts., $50,000-$60,000. A. W. Ely, 29 West Milwaukee St., Janesville, engr.

Minn., Fergus Falls—July 6, by H. J. Collins, city clk., improving various streets, 17,000 sq.yd. rein.-con., vibrolithic concrete, bitulithic, asphaltic concrete, vitr. brick or wood block pavement, resetting 3,100 lin.ft. old curb, 1,043 lin.ft. straight curb, 420 lin.ft. circular curb, etc. $50,000. S. A. Siverts, Jr., 600 Jewelers Exch. Bldg., Minneapolis, engr.

Minn., East Grand Forks—July 9 (change of date), by A. N. Briggs, village clk., improving various streets, about 42,000 sq.yd. rein.-con., bitulithic and 4 grades of asphaltic concrete, $110,000. Bids on an additional 8,000 sq.yd. for 5th and 6th Sts., will probably be asked later. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr. Noted May 31.

Minn., St. Paul—July 9, by G. J. Ries, aud. Ramsey Co., Project 23-54, 16,110 cu.yd. earth excav., 16,588 cu.yd. overhaul, 38,240 sq.yd. 1 course 7½ in. rein.-con. pavement, alternate on 37,000 sq.yd. asphaltic concrete Class B wearing surface, 37,000 sq.yd. concrete base, and 4,740 lin.ft. curb and gutter, etc., $100,000; Project 23-62, Larpenteur Ave., 1,460 cu.yd. excav., 2,754 cu.yd. overhaul, 5,946 sq.yd. 1 course rein.-con. pavement, $15,000.

Kan., Emporia—July 6, by Lyons Co., paving 21,148 sq.yd. roads, brick or concrete.

Neb., Lincoln—July 5, by J. P. Morgan, clk., Lancaster Co., surfacing 9.68 mi. Havelock Co. line Rd., 136,294 yd. gravel.

Missouri — July 6, by State Hy. Dept., Jefferson City, grading 30.473 mi. roads in Stone, Clinton, Dent, Marion and Shelby Counties; grading and paving 2.925 mi. in Ralls and Lafayette Counties; grading and graveling 7.38 mi. highways in Warren, Perry, St. Francois and Pike Counties; grading and concrete paving 25.422 mi. roads in St. Louis, Mercer, Daviess, De Kalb, Franklin, Gasconade, Osage and Iron Counties; graveling 2.358 mi. road in St. Charles Co.; concrete block paving State Project Route 2, Sect. 34 A, Howard Co. B. H. Piepmeier, state highway engr.

Mo., Kansas City—July 9, by L. Koehler, engr., Court House, resurfacing 124,616 sq. yd. Spring Branch Rd., new tar cushion top, for Jackson Co.

New Mexico — July 18, by State Hy. Comn., Santa Fe, grading and surfacing 5.871 mi. Federal Aid Project 36, Sandoval Co., 10,907 cu.yd. concrete, etc.; 0.721 mi. Federal Aid Project 118, Bernalillo Co., 1,859 cu.yd. concrete 13:5 mix, 7.589 lin.ft. concrete curb and gutter, 12:4 mix, 13,388 cu.yd. on course crushed stone, etc.; 3.099 ous concrete wearing surface, or 2 in. warrenite bitulithic, etc.; 15.981 mi. Federal Aid Project 43, Torrance Co., 7,520 cu.yd. gravel; 12,321 mi. Federal Aid Project 77, Torrance Co, 57,564 cu.yd. Class 1 and 2 excav., 14,759 cu.yd. one course gravel, etc.; 10.523 mi. Federal Aid Project 94, Union Co., 18,282 cu.yd. Class 1 excav., 16,793 cu.yd. one course crushed stone, etc.; 3.099 mi. Federal Aid Project 91-B, Colfax Co., 4,943 cu.yd. one course gravel, etc., also small bridges. J A. French, state highway engr.

Tex., Ft. Davis—July 9, by R. Barnet, judge Jeff Davis Co., grading, etc., 6.07 mi. State Highway 12, 795.9 cu.yd. concrete, 18,165 cu.yd. roadway, 24,179 cu.yd. borrow, 1,250 cu.yd. loose and 1,000 cu.yd. solid rock excav., 72,143 lb. reinforcing. $38,250. P. B. Probst, co. engr.

Okla., Sayre—July 5, by J. T. Means, city clk., grading and paving 7 blocks Bway., Walnut and Main Sts., 13,200 sq.yd. concrete, 3,825 lin.ft. curbing, etc. $56,331. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 24.

Okla., Weleetka—July 5, by W. W. Griffin, clk., grading and paving 3 blocks Main St., 3,700 sq.yd. vertical fibre brick, 3,000 lin.ft. concrete curbing, etc., $29,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Wynnewood—July 2, by J. H. Boozer, city clk., grading and paving 5 blocks Commercial Ave., 6,500 sq.yd. vitr. brick. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 17.

Colo., Denver—July 3, by Dept. Impvts. & Parks, grading and gravel surfacing 107,000 sq.yd. in North Side Impvt. Dist. 32. $146,084. A. K. Vickery, City Hall, city engr.

Streets and Roads (Continued)

Washington — July 10, by State Hy. Comn., Olympia, grading and surfacing with crushed gravel 6.9 mi. Chelan-Okanogan Highway, Riverside to Omak, Okanogan Co., and 6.3 mi. Inland Empire Highway, Pomona to Selah, Yakima Co. J. Allen, state highway engr.

Wash., South Bend—July 15 by City Comrs., paving Main St. et al., 13,240 sq.yd. 6 in. concrete. $58,516. H. A. Gibbs, South Bend, engr.

Calif., Marysville — July 3, by Supervs. Yuba Co., grading 12,000 lin.ft. Bullards Bar Rd., mostly hard packed earth with some loose rock. J. R. Meek, co. surv.

Quebec—July 6, by J. L. Boulanger, minister Dept. of Roads, Quebec, gravel surfacing 45,904 ft. Richmond-Tamasha Highway, in Richmond. G. Henry, Dept. of Roads, Quebec, engr.

BIDS RECEIVED

Rhode Island — State Bd. Pub. Rds., Providence, June 22, rein.-con. paving 11,340 cu.yd. Federal Aid Project 18, Contr. 2305, from A. D. Bridges Sons, Hazzardville, Conn., $8.15 per cu.yd., total $232,605. Noted June 14.

N. Y., Binghamton—Paving with (1) concrete (2) rein.-con. (3) bitulithic (a) Newton Ave. (b) Charles St. (c) Mygatt St., from Clark Constr. Co., Binghamton, (1a) $6,655 (2a) $7,180; Municipal Constr. Co., Binghamton, (3a) $7,321 (3b) $6,551 (3c) $21,469.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, June 20, grading, curbing and flagging (1) Coney Island Ave. (2) Kingshighway (3) 76th St. (4) 77th St. (5) 81st St., curbing and flagging where necessary on (6) Lefferts Ave., sheet asphalt paving (7) Newport St. (8) Osborn St. (9) Tehama St., from E. J. Galway, (1) $6,536; H. and B. Contg. Co., (2) $85,764; F. Persicano, 350 Fulton St., (3) $5,919; L. Mangeri, 190 31st St., (4) $5,080 (5) $3,342; Galco Contg. Co., (6) $5,071; Borough Asphalt Co., 1301 Metropolitan Ave., (7) $3,392 (8) $13,735 (9) $10,327. Noted June 14.

N. Y., Brooklyn—Park Bd., Municipal Bldg., New York, June 21, grading, curbing and sheet asphalt paving Fort Hamilton Parkway, here, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $107,281. Noted June 14.

N. Y., Lockport—F. Krull, clk., Niagara Co. June 19, macadamizing 4.6 mi. Coomer Rd. in Newfane, from Staple, Mumm & Beals, Buffalo, $90,439, engrs. est. $85,669; paving 5 mi. Military Rd. in Niagara, from Read Coddington Eng. Co., Niagara Falls, gravel and concrete, $25,537, stone and concrete $24,257. Noted May 17.

N. Y., New York—Park Bd., Municipal Bldg., June 21, repaving Mosholu Ave., Van Cortland Park, from B'way to Golf Links Rd., from Interboro Asphalt Co., 2306 Creston Ave., $69,954. Noted June 14.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., June 21, repaving (1) White Plains Rd. (2) Jerome Ave. (3) Jerome Ave. (East 176th St.) (4) Melrose Ave. (5) Boston Rd., paving (6) Tiebout Ave. all foregoing granite blocks, (7) East 172nd St. (8) West 238th St., both bituminous concrete, (9) Charlotte St., sheet asphalt, grading, building inlets and receiving basins in (10) Godwin Terrace, grading, laying sidewalks, crosswalks and curbing (11) Cruger Ave. (12) East 157th St., grading, regrading, etc. (13) Bryant Ave., from Casper Helbock, Inc., Harlem River and 150th St., (1) $209,790; Leonard Paving Co., 233 Bway., (2) $153,764; Asphalt Constr. Co., 208 Bway., (3) $290,491 (4) $137,499; Regan Towers Co., 124 West 121st St., (5) $26,394; C. D. Beckwith, Inc., 2875 Bway., (6) $66,524; Brusstar Constr. Co., Harlem River and 150th St., (7) $9,264 (8) $19,519 (9) $5,984; Spedeo Contg. Co. (10) $4,557; Spadaro & Turiano, 3185 East Tremont Ave., (11) $5,863; M. Del Balso, 660 East 221st St., (12) $20,749; P. J. Kearns Contg. Co., 2306 Creston Ave., (13) $44,437. Noted June 14.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., June 21, changing park strips on Park Ave. from 34th to 39th Sts., from P. T. Cox Contg. Co., 154 Nassau St., $68,596. Noted June 14.

N. Y., Salamanca—From C. N. Carli, Olean, paving with (a) brick (b) concrete Kent Ave. (a) $19,308 (b) $14,837, East Clinton St. (a) $18,921 (b) $14,659, Nelson St. (a) $4,814 (b) $3,681.

N. Y., Syracuse—Bd. Contr. & Supply, June 18, paving ½ mi. West Brighton Ave., from J. H. Gallup, Union Bldg. asphalt $65,879, bituminous concrete, $63,768.

N. J., Trenton—Mercer Co., June 19, concrete paving 1.7 mi. Scotch Rd., from D. Klockner, 1601 Nottingham Way, $112,906. Noted June 7.

BRIDGE—ASTORIA, ORE.

Bids were opened by State Highway Comn., Salem, Apr. 17, for constructing bridge over Lewis and Clark Rivers on Roosevelt Highway, (A) Pacific Bridge Co., foot of East Salmon St., (awarded contract); (B) M. Trieweiler; (C) Parker & Banfield. Contractors all of Portland. The unit bids were as follows:

	A	B	C
2,000 cu.yd. excavation	$9.90	$12.56	$16.00
14,900 lin.ft. piling	.52	.716	.58
12,500 lin.ft. approach piling	.43	.41	.47
6,500 lin.ft. protection piling	.43	.43	.40
840 cu.yd. sealing concrete	23.30	17.25	16.00
830 cu.yd. class A concrete	23.70	26.00	26.00
100 cu.yd. class B concrete	20.00	24.00	30.00
180 cu.yd. concrete counterweight	17.80	16.50	20.00
88,000 lb. reinforcing bars	.0575	.052	.055
280,000 lb. structural steel	.095	.11	.125
70,000 lb. machinery	.39	.375	.37
710 lin.ft. trestle superstructure, cap and girder 20 ft. wide, 1-8 ft. sidewalk on brackets	16.00	16.40	17.00
75,000 ft. b.m. lumber	58.00	70.00	75.00
*Electric control, full magnetic, 440-220-110 volts	8,240.00	8,339.00	8,200.00
Electric control, full magnetic, 220-110 volts	6,884.00	7,951.00	7,450.00
Electric control, semi-magnetic, 440-220-110 volts	7,215.00	7,371.00	7,250.00
Electric control, semi-magnetic, 220-110 volts	6,455.00	7,158.00	7,010.00
200 lin.ft. submarine cable	3.25	3.60	2.65
2 pier houses	625.00	650.00	1,050.00
Machinery room (lump sum)	225.00	1,083.00	800.00
Plumbing (lump sum)	400.00	404.00	500.00
2 gates	740.00	766.00	750.00
Fog bell (lump sum)	125.00	175.00	150.00
150 balance blocks, 1 cu.ft. concrete	1.00	1.50	1.00
550 sq.ft gunnite protection	1.25	1.30	2.00
Extended totals	$170,837	$177,973	$184,573

*Accepted.

Pa., Ebensburg—Supervs. Susquehanna Twp., c/o H. T. Jones, controller Cambria Co., paving 3.25 mi. road from Emeigh Run to Plattsville, 16 ft., one course rein.-con. and hillside brick on concrete, from J. L. Elder, Ebensburg, $208,634. Noted June 14.

Alabama—See "Bridges."

Alamaba—State Hy. Dept., Montgomery, grading and gravel surfacing 23.655 mi. road from Demopolis to Linden and Millers, Marengo Co., from W. K. Saulsbury & Co., 1322 South 19th St., Birmingham, $368,031. Noted June 7.

Kentucky—State Hy. Dept., Frankfort, grading 7.767 mi. Stanton-Campton Rd., State Project 4, Sect. C, Powell Co., using cement rubble and concrete pipe, from Costello Bros., Henson Bldg., Knoxville, Tenn., $77,184, concrete masonry and concrete pipe from Codell Byars & Co., Winchester, $86,185; grading 6.088 mi. Pikesville-Shelby Creek Rd., State Project 6, Sect. C, Pike Co., from Sutton Constr. Co., Ashland, using concrete pipe $106,239, vitr. pipe $109,497; surfacing with waterbound macadam 4.995 mi. Lexington-Harrodsburg Rd., State Project 47, Sect. A, Jessamine Co., from W. Lutes & Co., Lexington, $117,477, surface treating above road from R. B. Tyler & Co., 114 South 4th St, Louisville, $5,909.

Ohio—Dept. Highways and Pub. Wks., Columbus, June 19, grading, bridging and paving roads with (1) brick (2) plain concrete (3) bituminous macadam asphalt (4) bituminous macadam tar (5) rein.-con. (6) brick, macadam foundation (7) brick, concrete foundation (8) sheet asphalt (9) Kentucky rock asphalt (a) 0.514 mi. Sect. "D" **Piqua St. Marys Rd.**, Auglaize Co. (b) 3.523 mi. Sect. "D" **Dayton-Greenville Rd.**, Darke Co. (c) 0.474 mi. Sect. "Aracaman East" **Dayton-Greenville Rd.**, Darke Co. (d) 0. 707 mi. Sect. "K" **Washington-London Rd.**, Fayette Co. (e) 4.393 mi. Sect. "G" **Portsmouth-Columbus Rd.**, Franklin Co. (f) 2.148 mi. Sect. "R" **Portsmouth-Columbus Rd.**, Franklin Co. (g) 0.606 mi. Sect. "D-1" **Woodsfield-Clarington Rd.**, Monroe Co. (h) 5.785 mi. Sects. "G and L" **Mt. Gilead-Galion Rd.**, Morrow Co., (i) 3.925 mi. Sect. "D" **Eaton-Hamilton Rd.**, Preble Co. (j) 4.05 mi. Sect. "E" **Eaton-Greenville Rd.**, Preble Co. (k) 1.596 mi. Sect. "P" **Cleveland-Massilon Rd.**, Stark Co., (l) 3.374 mi. Sect. "C" **Bowling Green-Waterville Rd.**, Wood Co., from Wapakoneta Cement Block Co., Wapakoneta, (1a) $19,239 (1b) $139,470 (1c) $24,504; J. E. Karsch & Sons, Celina, (2a) $15,636 (3a) $13,603 (4a) $13,603 (6d) $29,838; E. and G. Alexander, North Star, (5b) $83,580; R. Doaust, Defiance, (5c) $18,422 (5h) $158,752 (2i) $132,366; W. H. Wingwold, Chillicothe, (7d) $27,212; L. L. Aller, Worthington, (3e) $112,033 (6e) $181,660 (7e) $183,665 (6f) $107,660 (7f) $102,366; Burns-Williams Co., Columbus, (4e) $113,700; D. Aller, Findlay, (8e) $157,158; J. C. McCann, 191 Belvidere Ave., Columbus, (3f) $69,071 (4f) $69,071 (3h) $127,536 (4h) $127,536; W. W. Patton, Woodsfield, (3g) $36,489; H. F. Ault & Son, Mt. Gilead (1h) $205,699 (9h) $170,093; Eldorado Paving Co., Eldorado (1i) $162,086 (9i) $128,163 (2j) $124,462; H. E. Pratt Co., Mt. Blanchard, (9j) $122,374; Holmes Constr. Co., Wooster, (1k) $78,170; J. H. Blausey, Woodville, (31) $48,978 (41) $50,023. Noted June 7.

Ohio—Dept. Highways and Pub. Wks., Columbus, June 22, grading, bridging and paving (1) 5.736 mi. Sect. "M-1" **Athens-Pomery Rd.**, Athens Co. (2) 3.241 mi. Sect. "G-1" **Springfield-Xenia Rd.**, Clark Co. (3) 2.548 mi. Sect. "G 2" **Springfield-Xenia Rd.**, Clark Co. (4) 1.532 mi. Sect. "S" **Wellsville-Salineville Rd.**, Columbiana Co. (5) 3.001 mi. Sect. "M" **Toledo-Angola Rd.**, Fulton Co. (6) 4.33 mi. Sect. "F" **Springfield-Xenia Rd.**, Greene Co. (7) 2.5 mi. Sect. "H" **Springfield-Xenia Rd.**, Green Co. (8) 0.975 mi. Sect. "I" **Roundhead-McGuffey Rd.**, Hardin Co. (9) 3.402 mi. Sect. "A" **Urbana-West Jefferson Rd.**, Madison Co. (10) 2.79 mi. Sect. "C" **Youngstown-Lisbon Rd.**, Mahoning Co. (11) 4.109 mi. Sect. "O" **Medina-Norwalk Rd.**, Medina Co. (12) 2.351 mi. Sect. "T-1" **Akron-Youngstown Rd.**, Portage Co. (13) 3.066 mi. Sect. "T-2" **Akron-Youngstown Rd.**, Portage Co. (14) 5.084 mi. Sects. "S-1" and "U-1" **Ohio River Rd.**, Scioto Co. (15) 0.557 mi. Sect. "E" **Cleveland-Sandusky Rd.**, Erie Co. (16) 1.954 mi. Sect. "A" **Washington-Bloomington Rd.**, Fayette Co. (17) 4.5 mi. Sect. "H-2" **Columbus-Washington C. H. Rd.**, Franklin Co. (18) 1.761 mi. Sect. "H" **Ohio River Rd.**, Hamilton Co. (19) 5.791 mi. Sect. "C" **Newark-New Lexington Rd.**, Licking Co. (20) 2.615 mi. Sect. "B" **Minerva-Sandyville Rd.**, Carroll Co. (21) 1.002 mi. Sect. "E" **Archbold-Fayette Rd.**, Fulton Co., with (a) brick (b) rein.-con. (c) bituminous macadam, asphalt (d) bituminous macadam, tar (e) concrete (f) bituminous concrete (g) waterbound macadam (h) bitoslag (i) warrenite bitulithic; grading (22) 0.695 mi. Sects. "F" and "J" **Jackson-Pomeroy Rd.**, Jackson Co., concrete bridge on (23) Sect. "Lisbon" **Lisbon-Salineville Rd.**, Columbiana Co., (24) Sect. "B" **Delaware-Marysville Rd.**, Delaware Co., steel superstructures and concrete substructures on (25) Sect. "D" **Celina-Greenville Rd.**, Darke Co., from H. E. Pratt Constr. Co., Mt. Blanchard, (1a) $303,866 (1c) $251,283 (1d) $251,283; Eberbach Constr. Co., Pomeroy, (1b) $297,617; D. M. Roach, Defiance, (2b) $93,136 (3b) $70,462; C. V. Rector, Lima, (2d) $74,350 (3d) $60,893; E. A. Freshwater & Sons, Painesville, (4e) $60,619; LaBoiteaux & Hayes, Toledo, (5b) $94,118 (21b) $28,405; E. L. Reeb, Lima, (5c) $92,347; Putnam & Shindeldecker, Van Wert, (5d) $77,902; Weeks Constr. Co., Dayton, (6c) $102,938 (6d) $103,792 (7e) $58,287 (7d) $58,980; Lewis & Copeland, Lima, (6b) $134,484 (7b) $70,980 (9b) $103,694; Wapakoneta Cement Block Co., Wapakoneta, (8b) $30,249 (11a) $160,274; W. D. Winchell Co., 337 Siebert St., Columbus, (9a) $130,672; A. Collucci, Youngstown, (10a) $72,200; G. S. Mellert-Weidner Co., Medina, (11b) $135,449; P. T. McCourt, Akron, (12f) $78,436 (13f) $115,823; Turner Contg. Co., Park Theatre Bldg., Youngstown, (12b) $71,930 (13b) $105,536; S. Monroe & Son, Portsmouth, (14a) $240,702; Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (15f) $29,885; R. Stone Co., Lima, (16c) $25,679 (15d) $25,679; W. M. Gray, Columbus, (17g) $48,818; Gaddison Constr. Co., Cincinnati, (18e) $56,865; Pub. Works Constr. Co., Cincinnati, (18h) $97,594; Scully Bros., Cincinnati, (18h) $97,594; Hinkle & Sullivan, Cincinnati, (18h) $97,594 (18i) $97,294; F. E. Francis, Columbus, (19c) $69,065; E. N. and G. N. Purdum, Columbus, (19d) $73,489; G. Had-

Streets and Roads (Continued)

ley, 204 Goldberg Bldg., Canton, **(20a)** $131,526; W. McKinnis, Jackson, **(22)** $10,036; Cox & Heslep, Kensington, **(23)** $10,004; Independent Constr. Co., Lorain, **(24)** $8,350; Hinton & Smalley, Celina, **(25)** $14,533. Noted June 21.

O., Euclid—Grading and laying (1) concrete or (2) stone sidewalks on Bliss Rd., from F. B. Stein, Euclid, (1) $43,084; Ohio Quarries Co., Citizens Bldg., Cleveland, (2) $53,929.

Tex., Gonzales—Gonzales Co., grading and gravel surfacing 3.66 mi. State Highway 29, 19,255 cu.yd. roadway and 17,491 cu.yd. borrow excav., 668.3 cu.yd. concrete, 70,277 lb. reinforcing, from D. H. Buchanan, Temple, $35,570; 11,657 cu.yd. gravel furnished by county. Engrs. est. $48,120. Noted June 7.

Calif., Hanford—Paving portions 5th, Irwin and Phillips Sts., etc., 1½ in. warrenite bitulithic or 4 in. bituminous, from California Constr. Co., 58 2nd St., San Francisco, $74,703.

Calif., Los Angeles—Grading and paving road between Coast Blvd. and Hyperion Sewage Plant, 63,766 sq.ft. concrete, 32,132 yd. excav., from W. D. McCray, Amer. Bank Bldg., $34,400. Noted May 24.

Calif., Madera—From Thompson Bros., G and Divisadero Sts., grading, concrete curbing, guttering and bituminous paving Yosemite Ave., $38,146; 6th and B Sts., $35,223. Noted June 14.

Calif., San Diego—Common Council improving Julian and Marcy Aves., from California Constr. Co., Union Bldg., 215,171 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous at $0.163, etc., total $35,152. Noted Apr. 12.

Que., Montreal—Asphalt surfacing, 2 in. thick, (1) 4,200 sq.yd. Lebrin St. (2) 4,400 sq.yd. Mercier St. (3) 1,858 sq.yd. St. Hubert St. (4) 8,050 sq.yd. Esplanade Ave. (5) 3,400 sq.yd. Chomedy St.; asphalt surfacing, 3 in. thick (6) 4,005 sq.yd. Jeanne Mance St. (7) 5,738 sq.yd. Ryde St. (8) 6,700 sq.yd. St. Charles St. (9) 6,500 sq.yd. Knox St. (10) 11,214 sq.yd. Eadie St., from B. Brault, Ltd., 2855 Rosemont Blvd., (1) $20,460 (2) $21,980 (6) $15,050; Quinlan, Robertson & Janin, Ltd., 52 Duluth Bldg., (5) $19,815 (7) $23,360 (8) $25,590 (9) $24,222 (10) $51,124; Sicily Asphaltum Paving Co., 60 St. Viateur St., (3) $8,964 (4) $29,570.

CONTRACTS AWARDED

Massachusetts—State Hy. Comn, Boston, sand and asphalt surfacing 8 mi, highway through Edgartown and Tisbury, to M. F. Roach, East Bridgewater, $142,484. Noted June 7.

R. I., Ashland—Water Supply Bd., City Hall, Providence, relocating Plainfield Pike by means of 65 ft. causeway across Scituate Reservoir, here, 5,000 sq.yd. dry earth and 2,000 cu.yd. dry rock excav., 230,000 cu.yd. borrow, 10,000 cu.yd. broken stone, 28,000 cu.yd. rip rap, 4,000 bbl. cement, 120,000 lb. steel and 3,000 cu.yd. rein.-con. for culvert, to T. F. McGovern, 95 Main St., Southbridge, Mass., $288,400. Engrs. est. $250,000. Noted June 21.

N. Y., Batavia—Bitulithic macadamizing Hutchins and South Liberty Sts., to O. Costich Co., Rochester, $18,043 and $22,962 respectively.

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, to Brooklyn Alcatraz Asplant Co., 407 Hamilton Ave., curbing and asphalt paving Bay 22nd St. $3,557, 16th Ave. $25,628, East 10th St. $18,763, Highlawn Ave. $17,384; to Uvalde Asphalt Paving Co., 1 Bway., New York, Farragut Rd. $9,722, Stoddart Pl. $2,693, 7th Ave. $4,278, Delemere Pl. $12,570, 54th St. $18,414; to Cranford Co., 52 9th St., Ave. L $4,399, 56th St. $9,316, 58th St. $9,419, 78th St. from 15th to 16th Aves., $8,512, 78th St. from 17th to 18th Aves. $9,179, 83rd St. $10,768, Bay 35th St. $19,224, East 15th St. $10,332, 61st St. $10,006, 75th St. $12,348; to Borough Asphalt Co., 1301 Metropolitan Ave., Louis St. $12,303, Ovington Ave. $16,694; to Hale Contg. Co., 1250 Jefferson St., Bergen Pl. $4,817, Ave. L $6,540, 17th Ave. $2,756, 54th St. $3,175, 73rd St. $6,590; to Cleveland Trinidad Paving Co., Flushing, East 8th St. $26,609, East 9th St. $10,701. Noted June 14.

N., Y. Lockport—F. Krull, clk. Niagara Co., paving 3.744 mi. Creek Rd. in Youngstown, concrete, to W. C. Rich, Youngstown, $82,324; 2.86 mi. Sect. 3 Lockport Rd., in Pendleton and Cambria, stone, 4.107 mi. Town Line Rd., concrete, 4.162 mi. Sect. 2 Creek Rd., in Pendleton, concrete, and resurfacing 1.47 mi. Saunders Settlement Rd., in Cambria, to L. H. Gipp Constr. Co., Buffalo, $95,788, $80,973, $139,944 and $40,583 respectively; 601 mi. Main St. in Middleport, to J. D. Meahl, Cambria, $23,230. Noted May 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Uvalde Asphalt Paving Co., 1 Bway., New York, sheet asphalt paving Havemeyer St. $17,905, 107th St. $19,085, curbing, laying sidewalks and sheet asphalt paving Roosevelt Ave. $11,315, Beach 117th St. $22,050, Beach 122nd St. $45,535; to Kennedy & Smith, 15 Amity St., Flushing, 107th St. $9,470. Noted June 14.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving 57th, 12th and 15th Sts., to W. J. Fitzgerald, 547 West 45th St., $32,974, $11,797 and $14,913 respectively; 6th and 7th Sts., to Sicilian Asphalt Paving Co., 41 Park Row, $52,213 and $20,582 respectively. Noted June 21.

N. Y., Perry—Concrete paving 3 streets, to Oatka Eng. Co., Warsaw, $46,459. Engrs. est. $50,000.

N. J., New Brunswick — **Middlesex Co.** concrete paving ¾ mi. road from Jamesburg to Englishtown, to H. N. Scott, Cranbury, $49,757; 1.8 mi. road in Plainsboro, to Hill Constr. Co., 132 Hulme St., Mt. Holly, $38,723; 1 mi. Main St. in Milltown, to Utility Constr. Co., 5 Spring St., $59,692.

Maryland—State Rds. Comn., Baltimore, 9,000 sq.yd. concrete, 3,400 cu.yd. excav., Contr. D-30, Dorchester Co., to Smith & Renshaw, East New Market, $26,674; 9,350 sq.yd. concrete, 5,300 cu.yd. excav., Contr. F-64, Frederick Co., to L. R. Waesche, Thurmont, $33,232; 17,850 sq.yd. concrete, 4,000 cu.yd. excav., Contr. Ce-45, Cecil Co., to G. R. Abbott & Sons, 3307 Bateman Ave., Baltimore, $54,793; 3.520 sq.yd. concrete, Contr. 125-A, Montgomeary Co., to Corson & Gruman, 33rd and K Sts., Wash., D. C., $11,757; 2.04 mi. of 3 ft. concrete shoulders, Contr. A-3-A, Allegany Co., to T. D. Claiborne Co., Garrett Bldg., Baltimore, $27,088. Noted June 21.

W. Va., Moundsville—Marshall Co. grading 3 mi. Moundsville Rd, to Wetzel Constr. Co., New Martinsville, $37,062.

Florida — State Rd. Dept., Tallahassee, constructing road between Florida East Coast R.R. and Deer Park, Project 584, Oceola Co., repressed brick laid on edge, to Noll & Noll, Crescent City, $40,691. Noted June 7.

Fla., Bradentown—Comrs. Manatee Co., paving with 9 in. compacted shell 15 mi. road on Terra Ceia Island, to C. A. Rowlett, Palmetto, $37,000; grading and paving with 8 in. compacted rock 27 mi. Road C, Miakka Special Road and Bridge Dist., to H. R. Curry, Bradentown, $56,618. Noted June 7.

Fla., Sarasota—Surfacing 9th St. and East Ave., asphalt block flat on sand and grouted with asphalt, to J. W. Crawford, Sarasota, $1.70 per sq.yd., total about $25,000.

La., Cedar Grove—To Jones Constr. Co., Slaughter Bldg., Dallas, Tex., improving various streets, 54,345 sq.yd. plain concrete $2.40 per sq.yd., excav. **$0.63, single** gutter $0.62, standard curb and gutter $0.90, etc., total $176,484. Noted **May 10.**

Tennessee—Concrete paving 14.7 mi. Federal Aid Project 69, Madison Co., 18 ft., to H. D. Hays Constr. Co., Worthington, Ind., $484,000, bridges over 20 span $105,000; grading and burnt slate surfacing 21.2 mi. State Project 114, Grundy Co., 16 ft., to Brown Contg. Co., Chattanooga, $199,000; grading, surfacing, etc., 2.2 mi. bituminous macadam on hand placed course stone base, Montgomery Co., to Moore Constr. Co., Capital Blvd., Nashville, $130,000; treating surface with oil on 13.24 mi. road, and macadam surfacing on hand placed base course on 12.06 mi., both Overton Co., 16 ft., to B. Williams, Murfreesboro, $35,000 and $157,000 respectively. Noted June 14.

Tenn., Jacksboro—Campbell Co. surfacing 8 mi. various roads, bituminous macadam, to J. F. Marcum Constr. Co., Knoxville, $150,000.

Ohio—Dept. Highway and Pub. Wks., Columbus, grading and paving 3.827 mi. Sect. "A-2" Bridgeport-Cadiz Rd. and 3.523 mi. Sect. "A-3" Bridgeport-Cadix Rd., both Belmont Co., Kentucky rock asphalt, to E. L. Reeb, Lima, $172,068 and $149,405 respectively; 0.448 mi. Sect. "Hillsboro" Milford-Hillsboro Rd., and 0.448 mi. Sect. "Hillsboro" Hillsboro-Washington C. H. Rd., both Highland Co., brick, to W. E. Ringwald, Chillicothe, $22,585 and $20,900 respectively; 1.125 mi. Sect. "F" West Union-Bainbridge Rd. and 0.761 mi. Sect. "Sinking" West Union-Bainbridge Rd. and Sect. "Springs" Hillsboro-Piketon Rd., both Highland Co., waterbound macadam, to C. O. Baldwin, Hillsboro, $25,614 and $12,154 respectively; 2.552 mi. Sect. "T" Mansfield-Norwalk Rd., Huron Co., rein.-con., to N. B. Putnam, Van Wert, $68,595; 2,923 mi. Sect. "N" Elyria-Twinsburg Rd., Lorain Co., rein.-con., to Patterson Constr. Co., Lorain, $85,632; 0.576 mi. Sect. "P" Medina-Norwalk Rd., Medina Co., rein.-con., to Hill & Hill, Elyria, $20,823; grading, etc., 2.38 mi. Sect. "J" Mansfield-Millersburg Rd., Holmes Co., to D. G. Watson, Malinta, $14,864. Noted June 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, constructing 5 mi. highway in Jackson Co., concrete, to O. M. Junk, Chillicothe, $137,974.

Ohio — Comrs. Franklin and Delaware Counties, at Columbus, grading and bituminous waterbound macadamizing 4.69 mi. Franklin-Delaware Co. Line Rd., 16 ft., to R. K. McNamara, Delaware, $71,226. Noted June 7.

O., Cleveland — Improving 2 sections of East 116th St., 4,740 lin.ft.stone curb and 4 in. tile drain gutter, 6,400 cu.yd. earth excav. and 9,200 sq.yd. vitr. brick on concrete, to A. M. Pejsa Paving Co., Euclid Heights Blvd., $62,819.

O., Columbus—W. H. Duffy, dir. Pub. Serv., grading, laying water services and sewer connections and concrete paving 517 ft. alley north of Gates St., 16 ft., and 636 ft. alley north of Reinhard Ave., 20 ft., to R. J. Dienst, 480 South 5th St., $2,759 and $6,257 respectively; 351 ft. alley west of Summit St., 20 ft., 347 ft. alley north of King Ave., 18 ft., and 400 ft. alley north of 8th Ave., 20 ft., to Columbus Contg. Co., 1481 West Broad St., $2,321, $1,987 and $2,387 respectively; 807 ft. Broderick St., 28 ft., to Yale Constr. Co., 146 Yale Ave., $3,178; 6,941 ft. 12-30 in. vitr. sewer extending over several streets and alleys from alley west of Chase Ave. to Crescent Dr., to H. E. Miller, 938 South High St., $22,976. Noted June 14.

O., Columbus — Franklin Co., grading, bridging and paving 2.78 mi. Harbord Rd., 18 ft., Sharon and Blendon Twps., oil, to D. W. Botkins & Son, 767 South 22nd St., $78,664; 1.46 mi. Borror Rd., 18 ft., Jackson Twp., waterbound macadam, to Kinnear & Baricklow, 606 Central Natl. Bank Bldg., $30,358. Noted May 24.

O., Columbus—R. W. Smith, clk. Franklin Co., waterbound macadamizing 3.13 mi. Poth Rd., 16 ft., Jefferson, Mifflin and Truro Twps., to J. C. McIntyre Co., 332 West Broad St., $51,807. Noted June 7.

O., Dayton—Montgomery Co. paving 4,300 ft. Gettysburg Ave., 20 ft., to Hoolihan & Wampler, 1406 Riverview Ave., $38,213, engrs. est. $45,000; 2,400 ft. Gettysburg Ave., 20 ft., to A. J. Kramer, Main St., $19,450, engrs. est. $26,000. Work involves 14,900 sq.yd. Kentucky rock asphalt.

O., East Liverpool—Concrete paving about 1 mi. River Rd., 18 ft., to Allison & Harris Constr. Co., East Liverpool, $48,000. Engrs. est. $50,000. Noted June 21.

O., Marion—Marion Co., sheet asphalt paving Vernon Heights Blvd., to H. P. Streicher Co., Inc., 319 Terminal Bldg., Toledo, $26,896. Engrs. est. $28,600.

O., Upper Arlington (Columbus P. O.)—E. D. Howard, village clk., to Radebaugh & Graham, 2015 Tremont Rd., Columbus, grading, laying necessary water services and sewer connections and asphalt paving 5,600 ft. Arlington Ave., 26 and 37 ft., 1,300 ft. Guilford Rd., 26 ft., 6,500 ft. Club Rd., North and South Parkways, 18 ft., 12,550 ft. Kensington and Southway Drives, Andover, Waltham, Wickford, Oxford and Westover Rds., 20 ft., $203,808. Engrs. est. $282,000. Noted June 7.

Ind., Jeffersonville—Clark Co. surfacing 4.78 mi. George Lindemeyer Rd., Oregon Twp., to Denny & Horton, c/o K. P. Barnes, co. surv., Jeffersonville, $44,808. Engrs. est. $46,776. Noted June 21.

Michigan—State Hy. Dept., Lansing, grading and surfacing 4.853 mi. Federal Aid Project 76, to T. E. Currie, 20 McGraw Bldg., Detroit, Mich., 9,506 cu.yd. earth excav. $0.55, 51,491 sq.yd. rein.-con. pavement $1.40, etc., total $88,536. State to furnish cement.

Michigan — State Hy. Dept., Lansing, grading and surfacing 3.861 mi. Assessment Dist. Rd. 408, 20,335 sq.yd. gravel, 14,065 cu.yd. earth excav., to Wade & Massey, Montrose, $37,192.

Mich., Grosse Pointe Farms—For 19,850 sq.yd. 9 in. pavement, 8,000 cu.yd. excav., 14,360 lin.ft. curbing, etc., to R. R. Moran, Grosse Pointe Farms, $90,244.

Ill., Elmhurst—Concrete sidewalks to F. Vertovec, Elmhurst. Engrs. est. $25,000. Noted Dec. 28.

Ill., Elmhurst—For 30,000 sq.yd. asphalt paving to Standard Paving Co., 326 West Madison St., Chicago. Engrs. est. $90,000.

Ill., Posen (Harvey P. O.)—Concrete sidewalks to H. Gottshalk, Homewood. Engrs. est. $70,000. Noted Apr. 12.

Ill., Rockford—Bd. Local Impvts., to Hart & Page, 110 North Court St., paving Rural St., macadam, $31,217, Alley Blk. 3, Harlem Park Subdivision, concrete, $1,423.

Wisconsin—State Hy. Comn., Madison, to Campbell Constr. Co., Minneapolis, Minn., Askeaton-Greenleaf Rd., Brown Co, 12,236 cu.yd. earth excav. $0.78, 23,308 sq.yd. concrete surfacing $1.18, etc., total $45,842, De Pere-Greenleaf Rd., Brown Co., 14,544 cu.yd. earth excav. $0.78, 23,325 sq.yd. concrete surfacing $1.48, etc., total $57,426; to

Streets and Roads (Continued)

W. E. Ule, Stevens Point, New Lisbon-Mauston-Milbourn Rd., Juneau Co., $34,273.

Wis., Elkhorn—Walworth Co., surfacing 1 mi. Sharon-Darien Rd., concrete, to Whitewater Bridge Co., Whitewater, $27,490; 4 mi. Delavan-Walworth Rd., gravel, to F. C. Wiswell, Elkhorn, $16,560. Noted June 7.

Ia., Manchester—To P. P. Smith, 1600 Washington Ave., Cedar Rapids, 2,480 cu. yd. excav. $1, 20,660 sq.yd. concrete paving $2.56.

Ia., Albia—Monroe Co., grading 10 mi. road northwest of here, 26 ft., to McAndrews & Hannah, Keokuk, 50,038 cu.yd. excav., $13,247; Elarton & Elliott, Bussey, 20,193 cu.yd., $5,299; C. O. Mitchell, 2414 Southwest 10th St., Des Moines, 43,660 cu.yd., $11,352. Noted May 24.

Ia., Eldora—Hardin Co., grading and gravel surfacing 22 mi. roads, 26 ft., to W. W. McCullough, Graettinger, 71,100 cu. yd. excav., $17,277; L. O. Kimball, Clear Lake, hauling 6,126 cu.yd. gravel $4,734; J. R. Perkins, Steam Boat Rock, hauling 3,444 cu.yd. gravel, $1,818; Christianson Constr. Co., Iowa Falls, tile labor, $894; Eldora Pipe & Tile Co., Eldora, 10,350 lin.ft. 6 in. tile, $507. Noted May 24.

Ia., Hampton—Franklin Co., gravel surfacing 12.02 mi. Federal Aid Project 171, 26 ft., to E. Davis, Hampton, 7,000 cu.yd. gravel, $1,400; W. Burman, Hampton, 5,000 cu.yd. stripping work, $1,200; H. L. Bone & Son, Royal, hauling 6,964 cu.yd. gravel, $8,675; Nelson & Melohr, Nevada, hauling, 11,789 cu.yd. gravel, $19,483. Noted May 31.

Ia., Lake City—Grading, curbing and paving Main, Center, Illinois and Washington Sts., 4,200 cu.yd. excav., 8,000 lin.ft. curb and gutter, and 19,000 sq.yd. 8 in. granite concrete, to Anderson & Empie, Tremont Blk., Marshalltown, $68,140. Noted May 24.

Ia., Osage—Mitchell Co., gravel surfacing 13.175 mi. roads west and northeast of here, 26 ft., 9,413 cu.yd. gravel, to Harrison Constr. Co., 413 Kraft Bldg., Des Moines, $27,691. Noted May 24.

Ia., Rock Rapids — Lyon Co., grading Doon-Big Sioux River Rd., 230,104 cu.yd. excav., to C. W. McNamara, Bristol, S. D., $60,012. Noted May 17.

Minn., Cloquet—For 6,246 sq.yd. paving, etc., to Nelson & Hafner, Duluth, $18,899; storm sewers, to Pastoret Constr. Co., 304 Sellwood Bldg., Duluth, $4,993. Noted June 7.

Minn., Minneapolis — Bd. Park Comrs., colored cement sidewalks on 6,500 sq.yd. Lake of Isles Blvd., south and west shores of Cedar Lake, to Andrews Paving Co., 3100 15th Ave. S, $1.42 per sq.yd.; 9,000 sq.yd. St. Anthony Blvd., to Engblom Constr. Co., 917 Plymouth Bldg., $1.42; 8,000 sq.yd. Minnehaha Parkway, to Simonson & Emstad, Albert Lea, $1.43. Noted June 14.

Minn., St. James — A. G. Countryman, aud. Watonwan Co., to J. Sampson, Faribault, Job 2301, State Rd. 12, 67,488 cu.yd. excav., 914 lin.ft. 12-36 in. corrugated metal culverts, etc., $32,061, Job 2303, State Rd. 4, 29,536 cu.yd. excav., 50,818 cu.yd. overhaul, etc., $9,416. Noted Mar. 8.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co. improving Project 23-65, 2,620 sq.yd. 1 course concrete and 1,674 sq.yd. bituminous filled brick, etc., also Project 23-05, 3,523 sq.yd. 1 course concrete, etc., to Bitulithic & Contg. Ltd., 722 Globe Bldg., $17,753 and $12,151 respectively. Noted June 14.

Kan., Hiawatha—Paving 17,087 sq.yd. road, 2 in. asphaltic concrete on 5 in. concrete, etc., to J. B. Watts, Concordia, $2.36 per sq.yd., total $56,525. Noted June 7.

Neb., Norfolk—Paving 26 blocks, asphaltic concrete, to Abel Constr. Co., 318-19 Terminal Bldg., Lincoln, $2.22 per sq.yd. Noted May 10.

Ark., Camden — Paving 1¼ mi. Spring, Bradley and Clifton Sts., etc., Paving Dist. 3, asphalt and concrete, to L. H. Bessler, Camden. Engrs. est. $53,000.

Tex., Amarillo—Paving 200 blocks, brick and bituminous, to Plains Paving Co., Amarillo, $4.04 per sq.yd.

Tex., Ft. Worth—To General Constr. Co., Cotton Exch., paving with 1½ in. Uvalde rock asphalt on 5 in. concrete, Oleander St. from Jennings to Grainger Sts. and Bessie St. from Vickery to Cromwell Sts., $23,690, East Rosedale St. from Main to Evans Sts., $28,120.

Tex., Orange—Orange Co. grading and rein.-con. paving 5.24 mi. Orange-Beaumont Rd., to F. P. McElwrath, Corsicana, $253,694. Noted Mar. 23.

Tex., Wichita Falls—Paving 3 blocks Polk St., brick, to Plains Paving Co., Wichita Falls, $20,589; 5 blocks Pearl St., concrete, to L. E. Whitham, Wichita Falls, $26,219.

Okla., Oklahoma City—Paving various streets, 22,600 sq.yd. sheet asphalt, to Western Paving Co., Tradesman Natl. Bank Bldg. $128,084.

Washington—State Hy. Comn., Olympia, to K. L. Goulter & Co., Ilwaco, surfacing 10.86 mi. Ocean Beach Highway, Nasel River to Sand Beach, Pacific Co., 8,395 cu.yd. gravel $3.45, total $28,963 and 15.94 mi. Ocean Beach Highway, Palix River to Nasel River, Pacific Co., 9,770 cu.yd. gravel $3.50, 2,880 cu.yd. crushed gravel base course $5, 1,700 cu.yd. crushed gravel top course $3.50, etc., total $56,577; Grays Harbor Constr. Co., Aberdeen, 0.54 mi. Olympic Highway, Montesano to Aberdeen, Grays Harbor Co., 5,530 sq.yd. cement $3.15, etc., total $28,370; Pentello & Palemo, Nasel, grading and surfacing 5.36 mi. Ocean Beach Highway, Nasel to Johnson's Landing, Pacific Co., 6,900 cu.yd. crushed rock surface course $3.60, 5,520 cu.yd. crushed rock top course $3.95, 6,500 cu.yd. excav. $0.95, total $54,069; J. Otteson Co., 2523 32nd St. S., Seattle, 8.28 mi. Navy Yard Highway, Union City to Holyoke Creek, Mason Co., 13,210 cu.yd. gravel surfacing $1.50, 62,010 cu.yd. earth excav., $0.42, 6,000 cu.yd. loose rock excav. $0.50, 400 cu.yd. solid rock $1.50, etc., total $77,900; H. Pederson Constr. Co., Alaska Bldg., Seattle, 2.01 mi. Sunset Highway, King Co., 1,310,300 cu.yd. overhaul $0.314, 1,790 cu.yd. gravel surfacing $1.75, 55,740 cu.yd. excav. $0.45, incl. small concrete bridge, total $53,857. Noted May 24.

Wash., Everett—Snohomish Co., concrete paving 3 mi. Everett-Mukilteo Highway, 27,000 sq.yd. concrete, 10,000 cu.yd. excav., etc., to E. J. Templeton, Everett, $64,876.

Ore., Portland—Grading and 6 in. concrete paving (1) 1,285 sq.yd. East Clay St. (2) 2,770 sq.yd. Wygant St.; 2 in. asphaltic concrete on 4 in. concrete (3) 670 sq.yd. East 27th St. (4) 2,678 sq.yd. East 65th St. (5) 3,020 sq.yd. East 66th St.; 2 in. bitulithic concrete on 4 in. concrete, (6) 1,100 sq.yd. East 56th St.; laying 4 in. concrete sidewalks, (7) 4,050 lin.ft. East 33rd St. (8) 2,000 lin.ft. East Mason St., to Hahn & Rebman, 726 North Syracuse St., (1) $1.85 (7) $0.15; A. D. Kern, 519 Lumber Exch. Bldg., (2) $1.58 (4) $1.58 (5) $1.58; Municipal Paving Plant, City Hall, (3) $1.60 (6) $1.55; J. Greeder & Co., Portland, (8) $0.16.

Calif., Eureka—Humboldt Co., constructing 5½ mi. wagon road along Redwood Creek from Briceland to State Highway, to E. Linser, Briceland, $22,000. Noted June 7.

Calif., Long Beach—Paving with 5 in. concrete and laying sewers in Belmont Heights Addition, to California Constr. Co., 58 2nd St., San Francisco, $572,460. Noted June 21.

Calif., Santa Monica—Improving Kensington Rd. between 8th St. and Beverly Ave. and portions of 7th St., to Southern Constr. Co., Kerchkoff Bldg., Los Angeles, 157,541 sq.ft. grading at $0.069, 109,467 sq. ft. oil and rock pavement $0.064, 33,282 sq. ft. walks $0.21, curbing $0.65, etc., total $33,225. Noted June 14.

Calif., Stockton — To Clark & Henery Constr. Co., 38 South Sutter St., improving Harrison St. between Washington and Main Sts., 1,305 ft. concrete curb and gutter at $1, 6,638 sq.ft. concrete sidewalks $0.20, 32,042 sq.ft. 2 in. asphaltic concrete on 2½ in. cementing gravel $0.25, etc.; Castle St., 2,581 lin.ft. concrete curb and gutter $1, 11,691 sq.ft. walks $0.20, 1,950 sq.ft. 5 in. pavement $0.17, 10,987 sq.ft. 7 in. pavement $0.23, etc.; East Weber Ave. and C St., 2,285 lin.ft. concrete curb and gutter $1, 6,608 sq.ft. cement walks $0.20, 30,122 sq.ft. 2 in. asphaltic concrete on 2½ in. asphaltic concrete $0.17, 8,469 sq.ft. 2 in. asphaltic concrete on 3 in. crushed rock $0.24, etc.; Channel St., 2,495 sq.ft. cement walks $0.20, 17,901 sq.ft. 2 in. asphaltic concrete on 3 in. cementing gravel and 3 in. asphaltic concrete $0.26, etc. Noted June 14.

Ontario—Provincial Highways Dept., Toronto, concrete paving 2¾ mi. road from Crumlin east, Middlesex Co., to Boss & Brazier, 703 Waterloo St., London. Engrs. est. $165,000.

Ont., Guelph—City will construct 36,000 sq.yd. concrete pavement, concrete curbs and gutters on various streets, by day labor. H. S. Nicklin, city engr.

Ont., Hamilton—City will pave Cumberland Ave. from Sherman Ave. to Prospect St., 6,500 sq.yd. concrete or asphalt on concrete, by day labor, under supervision of W. L. McFaul, city engr. $25,000. Noted Jan 11.

B. C., Point Grey — Provincial Government, Victoria, 96 acres grubbing and 66 acres clearing and grubbing on University site, here, to Nickson Constr. Co., 410 Seymour St., Vancouver, $80,000.

Industrial Works

PROPOSED WORK

Mass., Boston—Merrimac Clay Products Co., 53 State St., having plans prepared by H. and J. R. Raeder, 53 State St., 40x304 ft. tunnel kiln, two 30 ft. diam. circular kilns, one 68x172 ft. and one 90x170 ft. waste heat dryers, all brick. $250,000.

Mass., Somerville—Fresh Pond Ice Co., 321 Washington St., plans ice house and manufacturing plant, will install conveyors, ice manufacturing and handling equipment. $50,000-$60,000.

Conn., East Hartford (branch of Hartford) McKinley Bros., 809 Main St., had plans prepared by W. F. Brooks, Lewis and Gold Sts., Hartford, 1 story, 100 x 200 ft. garage and show rooms, rein.-brick and steel, plain foundation, Main and Garvan Sts. $50,000.

Conn., Middletown — Connecticut Power Co., 335 Main St., plans 2 story power station, rein.-con., plain foundation, Water St. To exceed $40,000. Hartford Electric Light Co., 266 Pearl St., Hartford, and Stone & Webster, 147 Milk St., Boston, Mass., engrs.

Conn., West Hartford (Hartford P. O.) —Prospect Garage, Prospect Ave., having plans prepared by B. A. Sellew, 721 Main St., Hartford, 1 story, 100 x 100 ft., brick and steel garage, plain foundation. $40,000.

N. Y., Brooklyn—M. Catalbiano, c/o T. Goldstone, archt. and engr., 50 Graham Ave., having plans prepared 1 story, 100 x 100 ft., brick, steel and concrete garage, plain foundation, DeKalb Ave. $60,000.

N. Y., Brooklyn—P. Cleary, c/o L. A. Sheinert, archt. and engr., 194 Bowery, New York, having plans prepared 1 story, 100 x 125 ft., brick, steel and concrete garage, plain foundation, Coney Island Ave. $70,000.

N. Y., Brooklyn—S. Holland, c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., had plans prepared 1 story, 100 x 200 ft., brick, steel and concrete garage, plain foundation, Liberty Ave. and Wyona St. $50,000.

N. Y., Cohoes — Little Falls Fibre Co., State Dam, Waterford, plans 2 story, 60 x 140 ft. brick factory, wood pile foundation, Kings Canal, here. $185,000. Engineer and architect not selected.

N. Y., New York—J. E. Eustis, c/o S. Rosenblum, archt. and engr., 51 Chambers St., soon takes bids 2 story, 125 x 165 ft., brick, steel and concrete garage, plain foundation, Fordham Rd. $85,000.

N. Y., New York — D. Salvato, c/o D. Clark, archt. and engr., 441 East Tremont Ave., had plans prepared 1 story, 110 x 115 ft., brick, steel and concrete garage, plain foundation, Morris Ave. $50,000.

N. Y., Rochester — Genesee Bridge Co., 666 Plymouth Ave., plans plant, W. Ave. $55,000. D. Hershey, mgr. Engineer and architect not announced.

Pa., Altoona—See "Buildings."

Pa., Grantville—Grantville Electric Co. plans electric light and power plant. $500,000. H. C. Stambaugh, mgr.

Pa., Pittsburgh—D. L. Clark Co., Martindale St., N. S., plans 6 story and basement, 108 x 129 ft. factory, brick, tile and rein.-con., Reedsdale St. Engineer or architect not selected.

Pa., Rouseville—Penn-American Refinery plans to rebuild portion of plant destroyed by fire. $100,000. Architect not announced.

Pa., Warren—Conewango Refining Co., North Warren Ave., plans to rebuild 1 story filter and tool house, brick and steel, recently destroyed by fire. $100,000. Private plans. Noted May 17.

D. C., Wash.—T. Medford, archt., 1631 3rd St., N.W., preparing plans show room and garage, 14th near Q St., N.W. $200,000. Owner's name withheld.

N. C., Rocky Mount—Rocky Mount Mfg. Co., having plans prepared by Lockwood, Greene & Co., Piedmont Bldg., Charlotte, 3 story 76 x 81 ft. yarn mill, mill construction, steel beams. $50,000.

Ala., Flint—Southern Rock Asphalt Co. plans development and erection of plant for mining rock asphalt, 150 tons daily capacity, near here. $150,000.

O., Canton—Canton Metal Products Co., Renkert Bldg., plans 1 story plant, $60,000. Address F. A. Zink, Renkert Bldg.

O., Dayton—Duro Pump & Mfg. Co., 537 East Monument St., having plans prepared by Schenk & Williams, Mutual Home Bldg., 5 story, 100 x 100 ft., rein.-con. and steel factory, plain foundation. $175,000. Noted Jan. 18.

O., East Liverpool—Amer. Vitrified Products Co. having plans prepared 4 story, brick, concrete and steel factory. $125,000. Private plans.

O., Massillon—Central Steel Corp. plans blast furnaces and several auxiliary steel plant units, on 185 acre site, Columbia Heights. $7,000,000-$10,000,000. Address C. G. Herbruck, G. D. Harter Bank Bldg., Canton, atty.

O., Toledo—Libby Owens Sheet Glass Co. takes bids about Sept. 21, 1st unit industrial plant, rein.-con., brick and steel buildings, along tracks of New York Central & Hocking Valley R.R., to produce 15,000,000 ft. glass per year. $1,500,000. Devore Co., 508 Nicholas Bldg., archts. and engrs.

Industrial Works (Continued)

Ind., Kendallville—McCray Refrigerating Co. having plans prepared by A. M. Strauss, 701 Schoaff Bldg., Ft. Wayne, 1 story, 75 x 220 ft. addition, brick and steel. $50,000.

Mich., Menominee—Marinette & Menominee Paper Co., 2311 Riverside Ave., Marinette, Wis., plans 2 story paper mill, brick and concrete, plain foundation, here. Engineer and architect not selected.

Ill., National City (Venice P. O.)—Armour & Co., National Stock Yards, will rebuild 6 story smoke-house, rein.-con. and brick, recently destroyed by fire. $500,000. Private plans.

Wis., Appleton—Valley Automobile Co., 726 College Ave., plans 4 story and basement, brick and concrete garage, plain foundation, Morrison St. $60,000.

Wis., Madison—University of Wisconsin, Administration Bldg., plans 1 story, 50 x 90 ft., coal storage plant, brick, rein.-con. and steel, plain foundation. $40,000. M. E. McCaffery, secy. Engineer and architect not selected.

Wis., Milwaukee—Milwaukee Lumber Co., 1271 Midland Ave., having plans prepared by Gurda & Gurda, 448 Mitchell St., 2 story, 30 x 100 ft., brick and timber garage, plain foundation, Midland Ave. $40,000.

Wis., New London—M. J. Heinz plans 2 story, 30 x 80 ft. vulcanizing shop, brick, concrete and steel, plain foundation. $40,000. Engineer and architect not selected.

Wis., Oshkosk—J. Danke, c/o Winnebago Dairy Products Co., 332 Main St., having plans prepared by Auler & Jensen, F. R. A. Bldg., 2 story, 48 x 84 ft., creamery and 1 story, 30 x 58 ft., stable, brick and concrete, plain foundations, Main St. $40,000.

Wis., Racine—F. Applegate, 1043 Washington Ave., having plans prepared 1 story, 60 x 105 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, Washington St. $55,000. Private plans.

Ia., Shenandoah—Election soon to vote on $175,000 bonds for electric light and power plant. R. L. Keltner, Shenandoah, engr.

Kan., Kansas City—Darley Boiler Wks. Co., 923 North 3rd St., had plans prepared 1 story and part basement, 400 x 600 ft. factory. $100,000. Private plans.

Kan., Kansas City—Kansas City Refining Co., 2nd St. and Troup Ave., plans to improve present plant, build larger storage tank and miscellaneous improvements. $100,000. Private plans.

N. D., Minot—K. Kulaas, rejected bids June 4, 2 story and basement, 80 x 150 ft., brick and rein.-con. garage, $45,000. I. L. Rush, Minot, archt. Noted June 7.

Mo., St. Louis—Famous Barr Co., 6th and Olive Sts., plans 2 story and basement, 300 x 500 ft., rein.-con. warehouse and garage, plain foundation, Spring Ave. $200,000. Engineer and architect not announced.

Mo., Stockton—G. B. Steward, Stockton, soon takes bids hydro-electric plant southeast of here, on Sac River, 130 ft. spillway, 10 ft. high, 2 turbines, 18 mi. transmission line from here to Fairfax, etc. $50,000. Russell & Axon, 404 McDaniels Bldg., Springfield, engrs.

Tex., Dallas—C. E. Barglebaugh & Co., archts. and engrs., Medical Art Bldg., soon takes bids 7 story and basement, 140 x 150 ft. factory and 2 story warehouse, brick, stone and concrete, plain foundations, Jefferson, McKinney and Caruth Sts., for Brown Cracker & Candy Co., Jefferson and McKinney Sts. $1,000,000. Noted Apr. 19.

Tex., Ft. Worth—South West Portland Cement Co., Two Republics Bldg., El Paso, takes bids about Sept. 14, cement mill, rein.-con., along tracks Houston & Texas Central R.R., here. $1,500,000. O. J. Binford, Two Republics Bldg., El Paso, engr. Noted May 24.

Tex., Ft. Worth—Texas Steel Co., South Hemphill St., making plans converting old plant into modern steel rolling mill. $100,000-$200,000. R. J. F. Foster, mgr. and engr.

Tex., Gordon—Lone Star Gas Co., Amer. Exch. Bank Bldg., Dallas, having plans prepared and soon takes bids casinghead gasoline plant. $150,000. J. C. Brokaw, c/o owner, ch. engr.

Wash., Seattle—Rainier Corp., headed by G. I. C. Barton, 5648 Alke St., recently organized with $3,000,000 capital stock will lease old plant of Seattle Brewing and Malting Co., Georgetown, here, and convert same into packing plant and cannery, will expend $300,000 for remodeling.

Calif., Los Angeles—Los Angeles Herald, 136 South Bway., having plans prepared by Morgan, Walls & Morgan, Van Nuys Bldg., 2 story and part basement, 153x270x325 ft., publishing plant and store building, rein.-con. and brick, Pico and Figueroa Sts.

Calif., Petaluma—J. A. Kenney, 3rd and J Sts., plans 95x100 ft. warehouse and load-

SEWER—NEW JERSEY

Bids were opened by Dept. Sts. & Pub. Impvts., Jersey City, May 1, for Sect. 3 of trunk sewer from Dover to Boonton, for Rockaway Valley Watershed, (A) C. F. Goeringer Constr. Co., 51 South Washington St., Wilkesbarre, Pa., (awarded contract); (B) J. L. Sigretto, Bernardsville. The unit bids were as follows:

	A	B
290 ft. 10-in. vitrified tile pipe, 0-6 ft.	$3.85	$3.00
1,710 ft. 10-in. vitrified tile pipe, 6-8 ft.	4.60	3.15
60 ft. 10-in. vitrified tile pipe, 8-10 ft.	5.50	3.35
10 ft. 10-in. vitrified tile pipe, 10-12 ft.	6.30	4.50
320 ft. 12-in. vitrified tile pipe, 0-6 ft.	4.20	3.50
1,500-ft. 12-in. vitrified tile pipe, 6-8 ft.	5.00	3.80
300 ft. 12-in. vitrified tile pipe, 8-10 ft.	5.80	4.50
40 ft. 12-in. vitrified tile pipe, 10-12 ft.	7.00	4.50
10 ft. 15-in. vitrified tile pipe, 6-8 ft.	5.55	4.00
820 ft. 15-in. vitrified tile pipe, 8-10 ft.	6.60	5.00
400 ft. 15-in. vitrified tile pipe, 10-12 ft.	7.50	5.50
20 ft. 15-in. vitrified tile pipe, 12-14 ft.	8.80	6.00
10-ft. 18-in. vitrified tile pipe, 6-8 ft.	6.30	6.00
300 ft. 18-in. vitrified tile pipe, 8-10 ft.	7.40	6.50
210 ft. 18-in. vitrified tile pipe, 10-12 ft.	8.60	7.00
10 ft. 18-in. vitrified tile pipe, 12-14 ft.	10.00	8.00
70 ft. 20-in. vitrified tile pipe, 0-6 ft.	7.60	6.50
20 ft. 20-in. vitrified tile pipe, 6-8 ft.	8.80	7.00
2,240 ft. 20-in. vitrified tile pipe, 8-10 ft.	10.20	7.50
540 ft. 20-in. vitrified tile pipe, 10-12 ft.	11.50	8.00
10 ft. 20-in. vitrified tile pipe, 12-14 ft.	12.75	8.00
280 ft. 22-in. vitrified tile pipe 0-6 ft.	8.00	7.00
270 ft. 22-in. vitrified tile pipe, 6-8 ft.	9.30	7.50
670 ft. 22-in. vitrified tile pipe, 8-10 ft.	10.25	8.00
810 ft. 22-in. vitrified tile pipe, 10-12 ft.	12.00	8.00
160 ft. 22-in. vitrified tile pipe, 12-14 ft.	13.25	8.00
260 ft. 22-in. vitrified tile pipe, 14-16 ft.	14.75	8.00
70 ft. 22-in. vitrified tile pipe, 16-18 ft.	17.00	18.00
10 ft. 22-in. vitrified tile pipe, 18-20 ft.	20.00	18.00
10-ft. 33-in. segment block 0-6 ft.	13.20	14.50
170 ft. 33-in. segment block, 6-8 ft.	15.00	14.90
2,120 ft. 33-in. segment block, 8-10 ft.	17.00	17.50
1,080 ft. 33-in. segment block, 10-12 ft.	19.00	18.90
10 ft. 33-in. segment block, 12-14 ft.	21.00	19.00
10 ft. 33-in. monolithic sewer, 0-6 ft.	14.00	18.85
170 ft. 3.3-in. monolithic sewer, 6-8 ft.	17.00	19.37
2,120 ft. 33-in. monolithic sewer, 8-10 ft.	20.00	22.75
1,080 ft 33-in. monolithic sewer, 10-12 ft.	23.00	24.57
10 ft. 33-in. monolithic sewer, 12-14 ft.	24.00	24.70
25 ton cast iron pipe	125.00	150.00
50 type A manholes, 0-8 ft.	175.00	125.00
14 ype B manholes, 0-8 ft.	175.00	125.00
100 ft. manhole extra depth, 8 ft. +	18.00	10.00
175 M.ft.B.M. sheeting lumber	85.00	90.00
25 M.ft.B.M. foundation lumber	85.00	90.00
1 M.ft.B.M. timber piles	200.00	100.00
20 cu.yd. 1-2-4 concrete (class A)	24.00	25.00
100 cu.yd. 1-3-5 concrete (class B)	20.00	25.00
5,000 cu.yd. rock excavation	4.50	10.00
20 cu.yd. extra excavation	3.50	5.00
1—12-in. gate valve	300.00	75.00
1—12-in. flap valve	100.00	75.00
100—5-in. deep house connection	8.00	6.00
500 ft.—5-in. house connection	2.00	3.00
Extended totals using segment block	$211,676	$213,833
Extended totals using monolithic pipe	$222,734	$231,987

SEWER AND SEWAGE DISPOSAL WORKS—NEW JERSEY

Following are lowest three bids opened by Dept. Sts. & Pub. Impvts., Jersey City, May 1, for Sect. 1 of trunk sewer from Dover to Boonton, and sewage disposal works, for Rockaway Valley Watershed, (A) J. L. Sigretto, Bernardsville, (awarded contract); (B) A. A. Johnson Corp., Queens Blvd. & Van Brunt St., Long Island City, N. Y.; (C) C. F. MacEvoy Co., 141 Commerce St., Newark. The unit bids were as follows:

	A	B	C
22,500 cu.yd. earth excavation and backfilling trunk and pipes	$2.40	$2.40	$2.90
8,700 cu.yd. rock excavation	2.40	10.00	6.00
1,700 cu.yd. earth embankment—trunk only	.90	1.62	1.00
47,000 ft. 4-in. tile pipe	.36	.24	.25
100 ft. 5-in. tile pipe	.48	.32	.31
800 ft. 8-in. tile pipe	.72	.55	.75
6,500 ft. 10-in. tile pipe	1.80	.70	.90
2,000 ft. 12-in. tile pipe	2.10	1.20	1.04
5,800 ft. 15-in. tile pipe	2.70	1.90	1.50
150 ft. 18-in. tile pipe	3.60	2.80	2.09
150 ft. 20-in. tile pipe	3.60	3.00	2.49
50 ft. 22-in. tile pipe	4.80	3.90	3.10
2,800 ft. 24-in. tile pipe	6.00	5.00	5.00
2,100 ft. 27-in. tile pipe	8.40	7.50	7.50
2,100 ft. 27-in. monolithic sewer	10.92	13.00	10.00
50 ft. 33-in. segment block	8.40	7.85	12.00
50 ft. 33-in. monolithic sewer	10.92	16.90	11.75
5,200 ft. 36-in. segment sewer	9.60	9.35	12.80
5,200 ft. 36-in. monolithic sewer	12.48	19.00	12.50
5,600 ft. 39-in. segment sewer	11.04	10.30	13.90
5,600 ft. 39-in. monolithic sewer	14.35	21.00	13.30
560 ton c.i. pipe-bell and spigot	120.00	150.00	130.00
70 ton c.i. pipe-flanged	180.00	150.00	198.00
20 acres clearing and grubbing	.01	1,400.00	115.00
54,000 cu.yd. earth excavation plant structure	2.70	2.00	1.25
52,000 cu.yd. fill and embankment at plant	.01	.50	.60
10 acre soil and seed	120.00	470.00	891.00
12,000 sq.yd. sodding	1.20	.40	1.00
5,500 sq.yd. macadam roadway	1.50	1.30	2.00
10,500 ft. concrete curb and gutter	2.40	.80	2.00
1,000 sq.yd. macadam walk	.48	.90	2.00
10,500 cu.yd. 1-2-4 concrete (class A)	13.68	21.86	18.14
640 cu.yd. 1-3-5 concrete (class B)	13.68	21.36	16.10
450,000 lb. reinforcing steel	.078	.06	.06
220 cu.yd. brick masonry	36.00	65.00	40.00
500 cu.yd. rubble masonry	12.00	9.45	25.00
1,000 sq.yd. stone paving	4.80	1.75	4.02
180,000 lb. iron castings	.084	.10	.17
24,000 lb. machined iron castings	.204	.175	.25
35,000 lb. miscellaneous w.i. and steel	.204	.20	.15
4,000 lb. galvanized w.i. pipe	.12	.50	.24
6—1-in. gate valves	3.60	1.50	3.06
6—1½-in. gate valves	4.80	2.46	4.31
26—2-in. gate valves	7.38	3.86	5.76
6—3-in. gate valves	15.00	9.45	9.98

	A	B	C
15—4-in. gate valves	18.00	18.50	13.13
9—6-in. gate valves	30.00	31.10	32.41
5—8-in. gate valves	42.00	48.31	46.52
5—10-in. gate valves	60.00	72.40	69.93
30—12-in. gate valves	78.00	91.00	93.09
2—16-in. gate valves	138.00	174.00	181.13
2—4-in. sluice gates	36.00	36.00	68.94
23—12-in. sluice gates	150.00	160.00	120.65
1—18-in. sluice gate	216.00	210.00	170.63
1—12-in. flap valve	90.00	80.00	70.14
8—16-in. flap valves	120.00	106.50	85.89
5—6-in. shear gates	32.40	29.70	32.41
5—10-in. shear gates	62.40	52.80	53.15
12—4-in. hydrants	78.00	65.36	66.70
28 valve stands	18.00	40.00	19.64
48 special valve stand heads	18.00	11.00	53.76
21 valve boxes	14.40	12.00	13.10
60 M.ft.b.m. lumber in trench	90.00	90.00	103.50
10 M.ft.b.m. plank or timber piles	90.00	100.00	121.00
4 M.ft.b.m. finished woodwork	.09	.20	.1265
1 V-notch weir and recorder	1,200.00	1,000.00	1,000.00
1 floating outlet pipe	240.00	500.00	350.00
2 control for contact bed	4,200.00	3,287.00	3,615.00
20,000 cu.yd. crushed stone for contact	4.20	5.00	5.66
126,000 ft. half tile drains for contact	.18	.18	.25
25,000 lb. asphalt joint filler	.045	.14	.18
27,500 cu.yd. filter sand	1.80	1.60	4.00
18,000 cu.yd. gravel	3.60	4.00	4.60
8 appurtenances for sand filters	1,200.00	1,911.00	2,703.00
1 industrial track switch and dump cars	960.00	785.00	730.00
630 ft. industrial railroad track—straight	1.08	1.07	2.02
1 gas collector and appurtenances	480.00	450.00	400.00
1 gas holder	960.00	1,000.00	825.00
1 chlorinator	1,800.00	1,500.00	1,415.00
1 appurtenance for sterilizing plant	720.00	4,500.00	2,524.00
3 superstructures—siph. ch. and contact bed	2,820.00	7,700.00	3,036.00
Superstructure—sterilizing plant	8,400.00	8,200.00	10,570.00
1 electric line and outlet light	...	14,000.00	9,760.00
Extended totals using tile and segment block sewer	$1,065,471	$1,254,971	$1,291,804
Extended totals using monolithic concrete sewer	$1,104,401	$1,377,073	$1,292,122

Industrial Works (Continued)

ing wharves, steel and stucco. To exceed $40,000. Engineer and architect not selected. Bay Transport Co., Pier 38, San Francisco, lessee.

Ont., Cornwall—Howard Smith Paper Co. Ltd., plans 1 and 2 story, 180 x 200 ft. and 52 x 100 ft. additions to paper mill, rein.-con. and brick. Private plans.

Ont., St. Catharines—See "Buildings."

BIDS DESIRED

N. J., Verona—July 6, by Essex Mountain Sanitorium, brick, steel and concrete boiler house, plain foundation. $150,000. Guilbert & Bettelle, 2 Lombardy St., Newark, archts. and engrs.

Pa., Glassmere — Cruikshank Eng. Co., engrs., 5th Ave. Arcade, Pittsburgh, receiving bids 3 story and basement, 105 x 123 ft. factory, for Allegheny Plate Glass Co., here. $150,000.

Ill., Chicago — L. G. Hallberg & Co., archts., 116 South Michigan Ave., receiving bids 6 story, 217 x 241 ft. factory addition, fireproof, Lincoln and George Sts., for Stewart-Warner Speedometer Co., 1312 South Michigan Ave. $750,000.

Wis., Fond du Lac—Stepnoski & Mehner, archts., Forest Ave., taking bids 1 story, 56 x 106 ft., brick and concrete garage, plain foundation, for J. Grebe, 22 Rees St. $40,000.

Wis., Madison — W. Brueski, 2805 East Washington Ave., taking bids 2 story, 50 x 90 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Wis., Madison—Schmidt Bros. Co., c/o A. J. Schmidt, 2611 Monroe St., taking bids 1 story, 60 x 125 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Wis., Milwaukee—July 2, by H. T. Schramek, archt., 808 South Pierce St., 1 story, 110 x 125 ft., brick and concrete addition to garage, plain foundation, for Modern Auto Repair Co., 2431 State St. $50,000.

Calif., San Francisco.— Francisco & Jacobus, archts., 511 5th Ave., New York City, receiving bids 1½ story, rein.-con. factory, on block bounded by Mariposa, 18th, Bryant and Florida Sts., for Nucoa Butter Co., 1964 Bryant St. To exceed $40,000.

CONTRACTS AWARDED

R. I., North Providence (Providence P. O.)—Mackie Worsted Yarn Co., Allendale, factory, here, to Famigliette Constr. Co., Charles St., Providence. $65,000.

Conn., Hartford — Connecticut Beef Co., 53 Hoadley Pl., 3 story, 50 x 100 ft. and 50 x 150 ft. brick and timber warehouse, plain foundation, Huntley Pl., to C. P. Waterman, 43 Farmington Ave. Archts. est. $75,000. Noted June 7.

N. Y., Olean—Vacuum Oil Co., 926 Exchange St., Rochester, boiler and steam plant, here, to Havens Constr. Co., Olean, $93,600.

Pa., Pittsburgh—Baltimore & Ohio R.R., Baltimore and Charles Sts., Baltimore, Md., 2 story and basement, 30 x 100 ft. freight house, brick, concrete and steel, 33rd and Liberty Sts., here, to France Bros. & Haigley, 19 West Franklin St., Baltimore, Md.

Md., Hagerstown—See "Buildings."

Ky., Louisville—Standard Sanitary Mfg. Co., 6th and A Sts., 1 story, 56 x 75 ft. and 102 x 150 ft., foundry buildings, concrete and steel, 6th and Shipp Sts., to Platoff & Bush, 122 West Liberty St., $70,000. Noted Apr. 19.

O., Cleveland—Benesch, Federman & Co., 5432 Bway., 2 story, 50 x 60 ft., brick, steel and concrete garage and warehouse, 5316 Barkwill Ave., to Super-Built Constr. Co., Union Bldg. Archts. est. $40,000.

O., Cleveland—Standard Oil Co. of Ohio, East Ohio Gas Bldg., two 1 story steam power plants, 1 at 2800 Bway. and other at East 65th St. along tracks of Erie R.R., both brick, steel and concrete, to James Stewart Co., 30 Church St., New York City.

O., Cleveland—Standard Oil Co. of Ohio, East Ohio Gas Bldg., 2 story, 92 x 165 ft. cooperage factory, brick and rein.-con., East 65th St. along tracks of Erie R.R., to James Stewart Co., 30 Church St., New York City. Archts. est. $150,000.

O., Cleveland—A. N. Jeavons, 806 Champlain Ave., N.W., 2 story and basement, 70 x 142 ft., brick and rein.-con. factory, 1633 East 40th St., to D. Lindhorst Constr. Co., 1602 Holmden Ave. Archts. est. $100,000.

O., Cleveland—B. J. Russell, 10539 Euclid Ave., 1 story, 90 x 115 ft., brick and steel factory, 22nd St. and Marion Ave., to S. W. Emerson Co., 1900 Euclid Ave. Archts. est. $40,000. Klein & Paterson Body Co., c/o owner, lessee. Noted May 24.

Mich., Detroit — Detroit Motorbus Co., Terminal and Edlie Aves., 1 story, brick, steel and concrete garage, plain foundation, Tireman Ave., to Bryant & Detwiler Co., 2336 Dime Bank Bldg., $75,000.

Mich., Detroit—Pub. Lighting Comn., Atwater St., E., four 20,000 kw. turbo units for new power plant, to Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., $1,254,000. Noted May 24.

Mich., Menominee—Lloyd Mfg. Co., North State St., 3 story, 100 x 400 ft., rein.-con. factory, plain foundation, to H. J. Selmer Co., Cartney Bank Bldg., Green Bay, Wis. Archts. est. $75,000.

Ill., Chicago—E. J. Brach & Sons, 401 North Kilpatrick Ave., second unit 3 story, 102 x 129 ft. factory addition, fireproof, 401-53 North Kilpatrick Ave., to R. F. Wilson & Co., 1851 Elston Ave. Archts. est. $90,000. Noted Aug. 31.

Ill., Chicago—Northwestern Packing Co., 1012 Milwaukee St., 4 story and basement, 168 x 175 ft. packing house, fireproof, Augusta and Milwaukee Sts., to C. Kehl, 1775 North Maplewood Ave. Archts. est. $250,000.

Ill., Chicago—Yellow Cab Mfg. Co., 5801 Dickens Ave., 3 story, 200 x 347 ft. factory, fireproof, 5918-48 Armitage Ave., to Bulley & Andrews, 2040 West Harrison St. Archts. est. $300,000.

Wis., Brillion—Nestles Food Co., c/o F. W. Bailey, supt., 2 story, 52 x 80 ft., brick, rein.-con. and steel plant, plain foundation, to R. C. Zorn, Brillion. Archts. est. $50,000.

Wis., Hilbert—C. F. Lawler, 1 and 2 story, and basement, 46 x 80 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, to Appleton Constr. Co., Odd Fellows Bldg., Appleton, Archts. est. $40,000.

Wis., Milwaukee — Chicago & Northwestern Ry., 226 West Jackson Blvd., Chicago, coaling station, timber, plain foundation, to Roberts & Schaefer Co., 400 North Michigan Ave., Chicago. $45,000.

Wis., Milwaukee—O. R. Pieper Co., 192 Bway., 2 story, 60 x 110 ft., brick and timber addition to warehouse, to H. Schmitt & Son, 430 Farwell Ave. Archts est. $60,000.

Wis., Milwaukee—Rockwell Mfg. Co., 572 Park St., 1 story, 72 x 100 ft. dyn kiln, brick, tile and concrete, plain foundation, to W. W. Oeflein, 86 Michigan St. Archts. est. $40,000.

Wis., Neenah—Valley Paper Mills, 145 West Wisconsin Ave., 1 story, 80 x 500 ft. main building, 95 x 116 ft. warehouse, 1 story, 130 x 144 ft. finishing room, 1 story, 60 x 160 ft. and 50 x 125 ft. power house and filtration plant, brick and concrete, plain foundations, to Appleton Constr. Co., I. O. O. F. Bldg., Appleton. Noted Mar. 1.

Minn., Minneapolis—C. F. Haglin & Sons Co., 226 Lumber Exch., will build 2 story and basement, 135 x 170 ft. warehouse, and 1 story, 100 x 170 ft. garage, brick and concrete, Laurel Ave. near Bryant Ave., by day labor. Hewitt & Brown, 1200 2nd Ave. S., archts.

Minn., Minneapolis—C. Lindley, 622 Nicollet Ave., general contract 1 story, rein.-con. and brick garage, 1415 Hennepin Ave., to M. Schumacher, 39 Dell Pl. Total cost $45,000.

Minn., Minneapolis — Royal Wet Wash Laundry Co., 140 Plymouth Ave., will build 2 story and basement, 88 x 140 ft., brick and concrete laundry addition, by day labor. $45,000. Liebenberg & Kaplin, 617 McKnight Bldg., archts. Noted July 13.

Minn., St. Paul—State Bd. Control, Capitol, general contract 3 story and basement dairy, rein.-con., brick, tile and stone, at College of Agriculture, University of Minnesota, to Louis Fleisher Co., 504 Plymouth Bldg., Minneapolis, $156,000. Noted June 21.

Minn., St. Paul—St. Paul Gas Light Co., 6th and Cedar Sts., power house, 2,500 kva. steam turbo electric power plant, 100 x 225 ft. generating plant and 60 x 150 ft. pulverizing building, both steel and concrete, on island in Mississippi River, to Siems, Helmers & Schaffner, 514 Guardian Life Bldg. This corrects report in March 22 issue.

Kan., Wichita—W. A. Dyle, Rock Island St., 2 story, 60 x 120 ft., rein.-con. and brick factory, concrete pile foundation, at 112-114 Mosley Ave., to G. Seidhoff, Broadview Hotel, $40,000.

Ont., Brantford—Brandon Shoe Co., factory to P. H. Secord & Sons, Brantford. Est. cost $75,000. Noted May 10.

Buildings

PROPOSED WORK

Mass., Hyannis — High School — School Com. plans 3 story, 100 x 125 ft., Main St., $150,000. F. T. Bowles, chn. Engineer and architect not selected.

R. I., Providence — Gymnasium — Pub. Buildings Dept., plans 4 story, 100 x 100 ft., rein.-con. and brick, Spring St. $200,000. W. E. Hartwell, City Hall, archt.

Conn., Hartford — Apartment — Golden-Storrs Co., archts., 1127 Main St., prepared plans 3 story, 120 x 120 ft., brick, plain foundation, Windsor Ave. and Westland St. $200,000. Owner's name withheld.

N. Y., Binghamton—Bank—City Natl. Bank plans 1 and 2 story and mezzanine, brick and stone, Washington and Court Sts. $165,000. Engineer and architect not announced.

N. Y., Bronxville—School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. Pondfield Rd. $450,000. Guilbert & Bettelle, 2 Lombardy St., Newark, N. J., archts. and engrs. Noted Oct. 12.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York, having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York, 3 story, 200 x 213 ft., brick, steel and stons, plain foundation, Rockaway Ave. near Riverdale Ave. $700,000.

N. Y., Buffalo—County—Erie Co., City Hall, plans county building, West Eagle St. To exceed $200,000. R. North, Niagara Life Bldg., archt.

N. Y., Canton—Court House—St. Lawrence Co. having plans prepared by S. Williams Ogdensburg, 2 story, 77 x 127 ft., stone addition. $170,000. Address W. W. Halle, co. clk.

N. Y., Corona—Bank—Queensboro Natl. Bank, having plans prepared by T. M.

Buildings (Continued)

James Co., archts. and engrs., 342 Madison Ave., New York, 2 story, brick and stone, plain foundation, Jackson and 103rd Sts. $400,000.

N. Y., Friendship—School—Bd. Educ. plans new brick school, $150,000. Engineer and architect not selected.

N. Y., New York—Apartment— J. Axelrod, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared 4 story, brick, steel and stone, plain foundation, East 84th St. $150,000.

N. Y., New York — Apartment — Della Penna & Erickson, archts. and engrs., 344 East 149th St., preparing plans 6 story, 80 x 85 ft., brick, steel and stone, plain foundation, Topping Ave. $150,000. Owners name withheld.

N. Y., New York—Apartment—P. Starrett, c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 14 story, 100 x 150 ft., brick, steel and stone, plain foundation, Park Ave. and 65th St.

N. Y., New York—Apartment Hotel—E. Margolies, 19 East 33rd St., had plans prepared by E. De Rosa, archt. and engr., 110 West 40th St., 12 story, 110 x 125 ft., brick, steel and stone, plain foundation, 3-11 West 47th St., Noted May 3.

N. Y., New York—Loft—Amer. News Co., 11 Park Pl., having plans prepared by R. G. Cory, archts. and engrs., 30 Church St., 10 story, 150 x 175 ft., brick, steel and stone, plain foundation, Warwick and Dominick Sts.

N. Y., New York—Office and Store—M. M. Watanson, c/o M. Zipkes, archt. and engr., 25 West 43rd St., having plans prepared 4 story, 50 x 75 ft., brick, steel and stone, plain foundation, Nassau St. $300,000.

N. Y., Portchester — Y.M.C.A., 2 West 45th St., New York City, plans brick, steel and stone, Pearl St., here. $250,000. Engineer and architect not selected.

N. Y., Rochester—Apartment—J. Joroslow, 176 Meigs St., plans 3 story, 61 x 97 ft., brick, Milburn and Berkley Sts. $150,000. Engineer and architect not announced.

N. J., East Orange—Hospital—Homeopathic Hospital, c/o Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, having plans prepared 6 story, brick, steel and stone, plain foundation, here. $450,000.

N. J., Lawrenceville—School—Lawrenceville Preparatory School plans class room and administration building. $275,000. J. Dixon, 108 West State St., Trenton, pres. trustees. Engineer and architect not selected.

N. J., Newark—High School—Bd. Educ., City Hall, Broad St., having plans prepared by Guilbert & Bettelle, archts. and engrs., 2 Lombardy St., brick, stone and steel, plain foundation, South Orange Ave. and South 12th St. $750,000.

N. J., Trenton — Home — Widows' and Single Women's Home, Spring St., plans brick, steel and concrete addition. $150,000. J. O. Hunt, 219 East Hanover St., archt.

Pa., Altoona—Exchange—Bell Telephone Co., Broad and Vine Sts., Phila., plans 3 story and basement, 90x120 ft., brick, steel and concrete, office, warehouse and garage, Industrial Ave., here. $150,000. C. H. Cassidy, 2814 Broad Ave., archt.

Pa., Altoona—Store—M. Lenson & Sons, 1007 14th St., plans 3 story and basement, 28x140 ft., brick, steel and concrete, Union Ave. $150,000.

Pa., Ferndale (Johnstown P. O.)—High School—Bd. Educ. rejected bids 2 story and basement, brick and steel, here. $150,000. J. E. Adams, archt., Nemo Bldg., Johnstown, revising plans. Noted May 24.

Pa., Johnstown—High School—Bd. Educ. takes bids this summer for Central High School, 3 story and basement, 200 x 210 ft., rein.-con., brick and steel, Somerset St. $500,000. J. E. Adams, Nemo Bldg., archt. E. L. Tilton, Phila., associated archt. Noted Mar. 22.

Pa., Johnstown—School—Bd. Educ. had plans prepared by J. E. Adams, Nemo Bldg., and takes bids this summer, 3 story and basement, 40 x 100 ft. brick and steel addition to Hudson St. School. $150,000. W. Wenn, secy.

Pa., Johnstown—Store—Penn Traffic Co., Johnstown, having plans prepared by Hunting-Davis Co., Century Bldg., Pittsburgh, 5 story and basement, 79 x 87 ft. addition, brick, steel and tile, Washington St. $350,000.

Pa., Sharon—Club—Loyal Order of Foresters 292, having plans prepared by W. H. Crosby, Reno St., Oil City, for clubhouse, Main St. $155,000.

W. Va., Montgomery — **Bank** — Montgomery Natl. Bank having plans prepared by Hoggson Bros., 485 5th Ave., New York City, 2 story and basement, 24 x 90 ft., stone and granite. $200,000.

N. C., Charlotte—Courthouse, etc.—City and Mecklenburg Co. election July 28, to vote on $900,000 bonds for 12 story, courthouse, jail and office. M. E. Boyer, Jr., Trust Bldg., archt. Noted Mar. 15.

Ga., Atlanta — Office — Atlanta Realty Corp., Hurt Bldg., having plans prepared by H. Tallant, engr., 70 East 45th St., New York City, 17 story, 90 x 166 ft., steel and brick, plain foundation, Ivy St. $900,000.

Ga., Macon—Auditorium—City having plans prepared by Swartwout, archt., 18 West 34th St., New York City, for auditorium.

Fla., Miami—Office and Store—Tatum Bros., 214 12th St., having plans prepared by Kiehnel & Elliott, Miami, 10 story, 60 x 152 ft., rein.-con., East Flagler St. and 2nd Ave. $500,000.

Miss., Meridian—Y. M. C. A. plans to construct building. $150,000. C. W. Hayward, chn.

La., Lafayette — Orphanage — St. Marys Orphanage, c/o J. B. Jeanmard, bishop, had plans prepared by A. Bendernagel, Whitney Central Bldg., New Orleans, three 2 story and basement, brick and concrete. $150,000.

La., Shreveport—Hotel—Youree Hotel, Market and Texas Sts., plans 4 story, brick and concrete addition. $150,000.

Tenn., Memphis — Church — Episcopal Church had plans prepared by Hanker & Cairns, Madison Ave. Bldg., Gailor Memorial, 3 story, white stone, Poplar Ave. $250,000.

Tenn., Memphis—Church—First Methodist Church, Poplar Ave., had plans prepared by H. T. McGee, Madison Ave. Bldg., 2 story, brick and stone, Poplar and North 2nd Sts. Conducting campaign to raise $150,000 funds.

Tenn., Memphis—Hotel—Southern Hotel Co., Inc., 257 South Main St., having plans prepared by W. W. Ahschlanger, Inc., 65 East Huron St., Chicago, 12 story, 200 x 342 ft., containing 600 rooms, roof garden, dining halls, convention halls, lobby, 40 stores on ground floor, etc. $4,250,000.

Tenn., Memphis—Schools, etc.—St. Mary's School, 714 Poplar St., had plans prepared by E. L. Harrison, U. & P. Bank Bldg., three 2 and 3 story schools, incl. gymnasium, assembly hall, dining hall, apartments, etc. $150,000.

Ky., Lexington—City Hall and Auditorium—City Hall Building Comn. having sketches made by F. L. Packard, Hayden Bldg., Columbus, O., 3 story, concrete, brick and stone. $300,000.

Ky., Louisville — Apartment — Doric Apartment Co. having plans prepared by Joseph & Joseph, Francis Bldg., 8 story, 150 x 200 ft. addition, brick, Willow Ave. $750,000.

Ky., Louisville—High School—Bd. Educ. plans 4 story high school in West End, suburb of Louisville. $500,000. Engineer and architect not selected.

Ky., Winchester—School—Bd. Educ. having plans prepared by R. M. Bates, Watts Bldg., Huntington, W. Va., 2 story, brick, Colby Park. To exceed $150,000.

O., Canton—Mercantile and Office—H. H. Ink, Fulton Rd., plans 6 story, 60 x 150 ft., fireproof, 6th and Market Sts. $200,000.

O., Cleveland — Commercial — Welworth Realty Co., c/o L. N. Gross Co., 1241 West 3rd St., having plans prepared by Christian, Schwarzenberg & Gaeda, archts and engrs., 1900 Euclid Ave., 2 or 4 story, 92 x 195 ft., brick, steel and concrete, Euclid Ave. and East 30th St. $200,000.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., plans 2 story, brick, steel and concrete addition to Jefferson School, West 130th St. $200,000. W. R. McCornack, East 6th St. and Rockwell Ave., archt.

O., Dayton—Hospital—Miami Valley Hospital, Apple St., having plans prepared by Schenk & Williams, Mutual Home Bldg., 5 story and basement, 80 x 200 ft., brick and stone, plain foundation. $500,000. Noted Mar. 22.

O., Steubenville — Theatre — Tri State Amusement Co. having plans prepared by C. H. Crane, 542 Griswold St., Detroit, Mich., 2 story and basement, 150 x 180 ft., brick, steel and terra cotta, 4th and Adams Sts. $500,000.

Mich., Detroit — Apartment — Kohner & Seeler, archts., 405 Kresge Bldg., preparing plans 4 story and basement, 100 x 108 ft., brick and steel, plain foundation, Lawton Ave. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—E. P. Doerr, 1226 Madison Park Ave., plans two 3 story, 36 x 165 ft., fireproof, 4817-29 Lake Park Ave. $300,000. W. P. Doerr, 28 East Jackson Blvd., archt.

Ill., Chicago—Apartment—H. Miller, c/o J. K. Neebe, archt., 2532 Aubert Ave., plans 3 story, fireproof, Harrison and Leman Sts. $150,000.

Ill., Chicago—Apartment—Olsen & Urbain, archts., 155 North Clark St., preparing plans 3 story and basement, 150 x 150 ft., fireproof, Blaine and North Sacramento Sts. $200,000. Owner's name withheld.

Ill., Chicago—Apartment-Hotel—H. Minkus, c/o Leichenko & Esser, archts., 38 South Dearborn St., plans 12 story, 194 x 302 x 500 ft., fireproof, Albion St., North Shore Dr. and Lake Michigan, $3,000,000.

Ill., Chicago—Store, Office, etc.—D. S. Klafter, archt., 64 West Randolph St., preparing plans 2 story 150 x 310 ft., store, office, theatre and apartment, fireproof, Fullerton and Crawford Sts. $750,000. Owner's name withheld.

Wis., Appleton—Bank — Citizens Natl. Bank, College Ave. and Oneida St., having preliminary plans prepared by Coolidge & Hodgson, 134 South La Salle St., Chicago, 5 story, 52 x 90 ft. and 20 x 50 ft. additions, brick, concrete and stone, plain foundation. $150,000.

Wis., Beloit—City Hall—Had plans prepared and soon takes bids 2 story and basement, 80 x 100 ft., brick, concrete and steel, plain foundation. $150,000. F. A. Carpenter, Brown Blk., Rockford, Ill., archt. Noted June 14.

Wis., Green Bay—Hospital—State Bd. Control, Madison, plans 4 story, rein.-con., brick and steel addition, plain foundation here. $150,000. F. Crocker secy. Engineer and architect not selected.

Wis., Madison—Church—Grace Episcopal Church, c/o H. H. Trumpkin, 116 West Washington Ave., plans 2 or 3 story, brick, rein.-con. and steel, plain foundation, Carroll St. $150,000. Engineer and architect not selected.

Wis., Merrill—Theatre—Business—Merrill Amusement Co., having plans prepared by Wisconsin Eng. & Constr. Co., archts. and engrs., 512 3rd St., Wausau, 1 and 2 story, 54 x 120 ft., brick and concrete, plain foundation. $150,000.

Wis., Waupun—Hospital—State Bd. Control, Madison, plans 3 story, brick, rein.-con. and steel, plain foundation at State prison here. $150,000. F. Crocker secy. Engineer and architect not selected.

Ia., Marion—Jail and Court House—Linn Co. plans jail and court house. $750,000. G. A. Senninger, aud.

Minn., Luverne—School—Voted $350,000 bonds 3 story and basement, 68 x 120 ft., rein.-con., brick, tile and stone. Tyrie & Chapman, 1200 2nd Ave. S., Minneapolis, archts.

Minn., Minneapolis—Auditorium—Authorized $3,000,000 bonds for auditorium. Engineer and architect not selected.

Neb., Falls City—Hotel—Fall City Hotel Co. had plans prepared by J. H. Craddock, 315 South 15th St., Omaha, 4 story and basement, 92x130 ft., rein.-con., brick and stone. $150,000. Noted May 24.

Mo., Kansas City—High School—C. A. Smith, archt., 601 Finance Bldg., takes bids about Aug. 15, 4 story and part basement, 150 x 290 ft., rein.-con., brick, steel and stone, 48th and Paseo Sts., for Bd. Educ. $1,400,000. Noted Jan. 18.

Mo., Kansas City—School—C. A. Smith, archt., 601 Finance Bldg., takes bids about July 20, 2 story and basement, 60 x 140 ft., rein.-con., brick steel and stone addition to Bristol School, Maywood St., for Bd. Educ. $180,000. Noted May 17.

Mo., Kansas City—Schools—C. A. Smith, archt., 601 Finance Bldg., takes bids about July 10, 2 story and basement, 60 x 140 ft. addition to Mt. Washington School, $190,000, also constructing Shiloh School, 1 story and basement, 150 x 200 ft., 70th and Askew Sts., $280,000, both rein.-con., brick steel and stone for Bd. Educ. Noted May 17.

Mo., St. Louis—School—Xenia Theological Seminary, Washington and Trinity Aves., plans rein.-con. and brick buildings, plain foundations, Trinity Ave. $700,000. Engineer and architect not announced.

Mo., St. Louis—Store—Stix, Baer & Fuller Co., 6th and Washington Sts., plans 8 story, 105 x 160 ft., rein.-con., brick and steel, concrete pile foundation, Lucas Ave. $2,000,000. Engineer and architect not announced.

Mo., St. Louis — Store and Office — E. Freund, 2735 Cherokee St., plans 3 story and basement, 88 x 145 ft., rein.-con. and brick, plain foundation, Grand Blvd. $150,000. Engineer and architect not announced.

Tex., Corsicana—Office—L. C. Polk and associates plan 5 story and basement, brick and concrete, plain foundation. $150,000. Engineer and architect not announced.

Tex., Greenville—Courthouse—Hunt Co. election July 21, to vote on $400,000 bonds. 4 story, brick and concrete. O. P. Mc-

Buildings (Continued)

Whirter, co. judge. Architect not announced.

Okla., Tulsa—Jail—Voted $150,000 bonds for jail. Engineer and architect not selected.

Okla., West Tulsa (Tulsa P. O.)—Hotel—Moss Hotel had plans prepared by C. P. Nieder, Empress Theatre Bldg., Oklahoma City, 4 story and basement, 48 x 140 ft., rein.-con., brick, steel and stone. $150,000.

Colo., Denver — Office — J. A. Ferguson, U. S. Natl. Bank Bldg., having plans prepared by Fisher & Fisher, U. S. Natl. Bank Bldg., 5 story, 125 x 125 ft., addition to present 7 story building, 17th and Champa Sts.

Wash., Olympia—Capitol—State Capitol Comn., rejected bids constructing main portion Legislative Building of Capitol (exclusive of dome). Will readvertise. Total cost $5,000,000 or $6,000,000. Wilder & White, Wash., D. C., archts. Bebb & Gould, Securities Bldg., Seattle, associated archts. Noted June 21.

Calif., Covina — Dormitories — Masonic Home, East Badillo St., soon takes bids 2 story, rein.-con. and brick. $150,000. Train & Williams, Western Mutual Life Bldg., Los Angeles, archts.

Calif., Los Angeles — Apartment — A. C. Blumenthal, Loew State Bldg., plans 12 story, probably rein.-con., Hollywood Blvd. $1,000,000.

Calif., Los Angeles — Apartment Hotel San Francisco syndicate having plans prepared by Walker & Eisen, Pacific Finance Bldg., 10 story, concrete and steel, Wilshire Blvd. $850,000.

Calif., Los Angeles—Club—Southern California Athletic & Country Club having plans prepared by E. Bergstrom, Citizens Natl. Bank Bldg., 13 story and basement, 150 x 200 ft., steel, Wilshire Blvd. $2,000,000.

Calif., Los Angeles—Institutional—Plaza Community Church, c/o Train & Williams, archts., Western Mutual Life Bldg., had plans prepared 4 story and basement, hospital, club, office and auditorium, rein.-con., Los Angeles St. $150,000.

Calif., Los Angeles—Loft—L. Conrad, et al., 166 West Pico St., plans loft, rein.-con., probably 12 story, Los Angeles and 7th Sts. to exceed $250,000. Engineer and architect not selected.

Calif., Los Angeles—Store—See "Industrial Works."

Calif., Oakland—Church—First Congregational Church, 12th and Clay Sts., plans church, fireproof, 26th and Harrison Sts. $200,000. R. A. Leet, ch. building com.

Calif., Oakland—Store and Office—Owl Drug Co., 611 Mission St., San Francisco, plans 6 story, fireproof, 16th St. and Telegraph Ave. To exceed $150,000.

Calif., Santa Monica—Church and Rectory—Church of St. Augustine by the Sea, having plans prepared by Allison & Allison, Hibernian Bldg., church and rectory, brick. $150,000 or more.

Ont., Ford—School—Public School Bd. having plans prepared by Nichols & Sheppard, Windsor, 2 story and basement, brick, steel and terrazo. $210,000.

Ont., Haileyburg — Hotel — N. Servais plans to rebuild Matabanic Hotel, destroyed by fire last year, concrete and brick, 100 rooms, probably 3 story and basement. Engineer and architect not selected.

Ont., Oakridge—School—School Bd., S. S. 12, plans 2 story and basement, rein.-con. and brick. $150,000. Engineer and architect not selected.

Ont., St. Catharines—Terminal—Niagara, St. Catharines & Toronto Electric Ry. plans passenger and freight terminal, brick, concrete and steel, Welland Ave., Balfour and General Sts. $250,000-$300,000. R. L. Harrison, St. Catharines, ch. engr.

Ont., Toronto—Church—St. Michaels and All Angeles Church, St. Clair and Braeondale Aves., plans 1 story and basement, rein.-con. and brick, St. Clair Ave. $150,000. W. J. Brain, 84 Ellsworth Ave., canon. Engineer and architect not selected.

Ont., Toronto—Hospital—Home for Incurables, Bloor St., having plans prepared by E. J. Lennox, 362 Bay St., 2 or 3 story, rein.-con. and brick, Bloor St. $300,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having sketches made by C. Dyson, 155 College St., 3 story, rein.-con., brick and steel, 30 rooms, in district west of Yonge St. $450,000.

Ont., Toronto—School—Havergal College, Jarvis St., plans concrete and brick, on 17 acre site, at Stop 17, Yonge St. $500,000. Engineer and architect not selected.

BIDS DESIRED

N. Y., Syracuse—High School—July 2, by Bd. Contr. & Supply, 17th Ward Junior High School, 2 story and basement, 200 x 300 ft. brick, steel and stone, Fellows Ave. $650,000. Former bids rejected. A. L. Brockway, 3rd Natl. Bank Bldg., engr. Noted June 7.

N. J., Bloomfield—High School—July 5, by Bd. Educ., 4 story, 25 x 140 ft., brick and stone addition, Broad St. $225,000. J. F. Capen, 207 Market St., Newark, archt. J. O. C. Gibbons, 207 Market St., Newark, engr. Noted June 21.

Pa., Pittsburgh—School—July 5, by Bd. Educ., Fulton Bldg., 2 story and basement, rein-con., brick, stone and tile, Boggs Ave. $150,000. S. F. Heckert, Bessemer Bldg., archt. Noted Apr. 26.

Pa., Pittsburgh—School—July 21 by Bd. Educ., Fulton Bldg., 2 story and basement, brick, stone, tile and rein.-con., Bonvue Ave. $225,000. L. Stevens, Century Bldg., archt. Noted Feb. 15.

Tenn., Nashville—Hospital, etc.—July 16, by J. H. Kirkland, chancelor of Vanderbilt University, 337 x 458 ft., hospital and laboratory, also nurses' home, power plant and laundry, brick and rein.-con., on campus. $2,000,000. Coolidge & Shattuck, 122 Ames Bldg., Boston, archts.

Ky., Louisville—Office—July 2, by Avery Building & Loan Assn., 525 West Market St., 3 story, 100 x 150 ft., 515 17 West Market St. $150,000. Noted May 10.

O., Athens—High School—July 6, by W. Alicot, secy. Bd. Educ., 2 story and basement, rein.-con. and brick, plain foundation. $250,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

O., Athens—School—July 7, by W. Alicot, secy. Bd. Educ., 1 story and basement, brick, plain foundation. $150,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt.

O., Cleveland — Apartment — H. Abrams, 13340 Forest Hill Ave., taking bids 4 story, brick and timber, East 160th St. and Cornell Rd. $150,000. M. Weis, 617 Union Bldg., archt.

O., Dover—Theatre and Lodge—July 16, by G. A. Ebeling, archt., Newman-Stern Bldg., Cleveland, 4 story, 50 x 150 ft., brick, steel and concrete, here, for Dover Pythian Castle Co. $150,000. Noted May 31.

O., Logan—Court House— July 20, by Hocking Co., brick, concrete and stone. $250,000. F. L. Packard, New Hagden Bldg., Columbus, archt. Noted Feb. 22.

Mich, Detroit — Apartment — Williams Bros., archts., 1111 Kresge Bldg., taking bids and open same about June 30, 4 story and basement, 80 x 80 ft., brick, plain foundation, Lee Pl. and Wilson Ave., for G. Copelans, c/o architects. Noted Dec. 14.

Ill., Chicago—Apartment—Olsen & Urbain, archts., 155 North Clark St., receiving bids 4 story, 200 x 200 ft., fireproof, Arlington St., near Clark St. $300,000. Owner's name withheld.

Ill., Chicago—Apartment—W. C. Presto, archt., 111 West Washington St., receiving bids 3 story, 100 x 125 ft., fireproof, Kedzie St. near Montrose Ave. $150,000. Owner's name withheld.

Wis., Milwaukee—Store—July 2, by Herbst & Kuenzli, archts., 114 Grand Ave., remodeling and building 3 story and basement, 62 x 80 ft., brick and timber addition, plain foundation, for Kuenzelmann-Esser Co., 460 Mitchell St. $150,000.

Wis., Milwaukee—Store—M. Tullgren & Sons, archts., 425 East Water St., taking bids 2 story and basement, 102 x 150 ft., brick and tile, plain foundation, Wells St., for J. Saxe, 204 11th St. $150,000.

Kan., Coffeyville—Auditorium—July 1, by T. W. Williamson & Co., archts., 312 Central Natl. Bank Bldg., Topeka, 2 story and basement, 115x172 ft. rein.-con. and stone for city. $175,000. Noted June 7.

Kan., Leavenworth—High School—July 2, by C. A. Smith, archt., 602 Finance Bldg., Kansas City, Mo., 2 story and basement, 120 x 170 ft., rein.-con., brick and stone for Bd. Educ. $225,000.

Okla., Holdenville—Lodge—July 10, by Masonic Lodge Building Comn., 5 story, 50 x 140 ft., rein.-con., 3rd and Choctaw Sts. $150,000. Toninie & Bramblet, Terminal Bldg., Oklahoma City, archts.

Okla., Pawhuska—Hotel—July 16, by C. A. and J. L. Duncan, owners, Pawhuska, and E. Forsblom, archt., 310 Sedgwick Bldg., Wichita, Kan., 5 story, 52 x 190 ft., rein.-con and brick. $200,000. Noted June 7.

Calif., Los Angeles—Club—J. J. Frauenfelder, archt., Story Bldg., receiving bids 4 story, brick, Lucas and 3rd Sts., for Los Angeles Nurses' Club, 1103 West 8th St. To exceed $150,000. Noted June 1.

BIDS RECEIVED

N. Y., New York—Schools—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, June 22, P. S. 60, brick, steel and stone, plain foundation, East 12th St. from G. Dekempie, 30 Church St., $1,185,000; P. S. 73, 3 story, brick, steel and stone, plain foundation, West 166th St. and Woodycrest Ave., from G. Colon & Co., 81 East 125th St., $395,903. Noted June 14.

La., Shreveport—Office—D. Ricou, Merchants Bldg., (1) 4 story, (2) 6 story, 120 x 150 ft., Milam and Marshall Sts., from J. E. Johnson Constr. Co., Amicable Bldg., Waco, Tex., (1) $290,777; Standard Constr. Co., Woolworth Bldg., Houston, Tex., (2) $380,-800.

O., Akron—Hospital—Summit Co., Court House, June 18, hospital addition, Springfield Lake, near here, from Clemmer & Johnson Co., 406 Metropolitan Bldg., $155,-586. Noted Dec. 7.

Minn., St. Paul—School—Bd. Educ., City Hall, June 18, 3 story and basement, rein.-con., brick, tile and stone, 14th and Jackson Sts., from Lindstrom & Anderson, 206 Bremer Arcade, $184,704. Noted June 14.

Calif., Huntington Beach—School—Huntington Beach High School Dist., brick school, general contract from A. Johnson, Union Bank Bldg., Los Angeles, $178,537. Noted Feb. 1.

Calif., Stockton—City Hall—Constructing city hall, fireproof, on block bounded by El Dorado, Center, Fremont and Lindsey Sts., general contract from H. S. Williams, 180 Jessie St., San Francisco, $398,000; plumbing also heating and ventilating from Miller-Hayes Co., 125 North California St., $15,277 and $28,570 respectively; mechanical equipment (incl. electric work, plumbing and heating), from E. L. Gneckow, 647 East Main St., $62,280. Noted June 14.

CONTRACTS AWARDED

Me., Belfast—High School—School Comn., 3 story, 135 x 147 ft., rein.-con. and brick, to Forgione & Romano Co., 36 Walnut St., Portland, $150,000. Noted May 10.

N. H., Manchester—Theatre—S. James, 3 story, 100 x 150 ft., brick and steel, Lowell St., to C. A. Golden, 64 Concord St., $225,000.

Mass., Northampton—Theatre—Goldstein Bros. Amusement Co., Broadway Theatre, Springfield, 2 story, 80 x 125 ft., brick and steel, King St., here, to Atlas Constr. Co., Broadway Theatre Bldg., Springfield. Archts. est. $150,000. Noted Mar. 29.

N. Y., Brooklyn—Apartment—Machold Building Co., c/o McCarthy & Kelley, archts. and engrs., 159 Remsen St., will build 4 story, 100 x 140 ft., brick, steel and stone, plain foundation, Ocean Ave., by day labor. M. Bleecher, pres.

N. Y., Brooklyn—Apartment—M. Sarnoff, c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., 4 story, 50 x 100 ft., brick, steel and stone, plain foundation, Park Pl., by day labor. $200,000.

N. Y., Bronxville — Apartment — Village Investment Co., c/o Bates & How, archts. and engrs., 35 West 38th St., New York City, will build 6 story, brick, steel and stone, plain foundation, here, by day labor. $400,000.

N. Y., Fairport—High School—General contract 2 story and basement, 135 x 166 ft., brick, terra cotta, concrete and steel, to P. G. Hauck, 503 Cox Bldg., Rochester, $158,570. Noted Apr. 19.

N. Y., New York—Apartment—J. Perlbinder, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, West 167th St., by day labor. $300,000.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., 30 story, brick, steel and concrete, West, Barclay, Washington and Vesey Sts., to Marc Eidlitz & Son, Inc., 42 East 42nd St. Archts. est. $11,250,000. Noted Apr. 5.

N. Y., New York—Office—Bway. and 40th St. Corp., 130 West 42nd St., 24 story, 65 x 200 ft., brick, steel and stone, plain foundation, 40th St. and Bway., to S. S. Roth & Bros., 130 West 42nd St. Archts. est. $5,-000,000.

Pa., Dormont (Pittsburgh P. O.)—Exchange—Bell Telephone Co. of Pennsylvania, Broad and Vine Sts., Phila., 2 story and basement, 46 x 86 x 147 ft., brick, steel, limestone, granite and tile, Pioneer Ave., here, to W. T. Grange Constr. Co., Keenan Bldg., Pittsburgh. Archts. est. $150,000.

Pa., Johnstown—Schools—Bd. Educ., c/o P. O. Thomas, Bank Bldg., 2 story and basement, 95 x 132 ft. and 36 x 67 ft., high and grade school, Southmont, near here, to W. H. Smith & Son, Johnstown. Archts. est. $175,000.

Md., Hagerstown—Office, etc.—Western Maryland Ry. Co., Standard Oil Bldg., Baltimore, 2 story, 45 x 203 ft., concrete office and storeroom, here, to Price Constr. Co., Maryland Trust Bldg., Baltimore. $160,000.

Fla., Miami Beach—Hotel—J. A. Pancoast, 5 story, rein.-con. and tile, plain and concrete foundation, 29th St. and Ocean, to C. A. Ewing Co., 219 Bradford Bldg., Miami, $247,500.

Buildings (Continued)

Fla., West Palm Beach — Theatre — C. Kettler, 3½ story, rein.-con. and steel, plain foundation, Narcissus and Myrtle Sts., to H. C. Daniels, West Palm Beach, $200,000.

Ky., Bowling Green—High School—Bd. Educ., 2 story and basement, brick, to Forbes Mfg. Co., Hopkinsville. Est. cost $250,000.

Ind., South Bend—Apartment—Washington & Colfax Realty Co., Palace Theatre Bldg., 2 story and basement, brick and timber, plain foundation, to R. Reisinger & Co., 464 Oakland Ave., Milwaukee. Archts. est. $325,000.

Mich., Sault Ste. Marie—Hospital—Chippewa Co. Memorial Hospital, 3 story and basement, brick and concrete, plain foundation, general contract to Marshall N. Hunt, 651 Bingham St., $105,869. Archts. est. $150,000. Noted May 24.

Ill., Chicago—Bank and Office—Illinois Merchants Trust Co., 112 West Adams St., 21 story, fireproof, Jackson and La Salle Sts., to H. Erickson Co., 139 North Clark St. Archts. est. $5,500,000.

Ill., Chicago—Office—Chicago Tribune, Madison and Dearborn Sts., 20 story, 100 x 300 ft., fireproof, Austin St. and Michigan Ave., to R. C. Wieboldt Co., 1534 West Van Buren St. Archts. est. $7,000,000. Noted Dec. 7.

Ill., Chicago—Store, Office and Bank—Washington Park Natl. Bank, 730 East 63rd St., 4 story, 100 x 122 ft., preproof, Cottage Grove Ave. and 63rd St., to Person Constr. Co., 1546 East 75th St. $300,000.

Wis., Janesville — Theatre—H. T. Jones, 107 North Front St., 2 story, 112 x 144 ft., brick, rein.-con. and steel, plain foundation, South Franklin St., to E. Pautz, 808 Center St. Archts. est. $150,000. Noted May 31.

Wis., La Crosse—Schools—School Bd., 3 story and part basement, 114 x 157 ft., Lincoln Grade School, and 1 and 2 story, 140 x 206 ft. vocational school, brick, tile and concrete, plain foundations, to Grahn & Bathhurst, 638 Plymouth Bldg., Minneapolis, $176,940 and $138,900 respectively. Noted Mar. 1.

Wis., Manitowoc—Hotel—Hotel Manitou 5 story and basement, 52 x 100 ft., L shape, brick, tile and concrete addition, plain foundation, Franklin St., to T. Stark & Co., 130 Muskego Ave., Milwaukee. Archts. est. $150,000.

Wis., Milwaukee—Theatre and Office—Saxe Amusement Enterprises, 204 11th St., 4 story and basement, 125 x 150 ft., brick and concrete, plain foundation, to E. Grether, 1121 2nd St. Archts. est. $400,000. Noted May 17.

Minn., St. Paul—Store and Office—Barrett & Zimmerman, Prior and University Aves., general contract 2 story and basement, 54 x 165 x 180 x 230 ft., brick, concrete and stone, to Carlsted Bros., 542 Builders Exch., Minneapolis. Total cost $150,000. Noted Jan. 25.

Kan., Arkansas City—Store and Office—G. H. Gassman, 801 North 3rd St., will build 5 story and basement, 49 x 100 ft., rein.-con., stone, brick and terra cotta, by day labor. $200,000. T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, archts. Noted June 7.

Kan., Emporia — Bank and Office — Citizens Natl. Bank, 5 story and basement, 43 x 130 ft., brick and concrete, to Vaughn Constr., W. O. W. Bldg., Omaha, $225,000. Noted May 24.

Kan., Topeka — Office — Trinity Benefit Assn., 3 story and part basement, 100 x 130 ft., rein.-con. and tile, to F. M. Spencer & Son, 10th and Van Buren Sts. Archts. est. $200,000.

Neb., Lincoln—Hospital—City, 4 story and basement, 54 x 264 ft., rein.-con. brick and stone, 7th and Sewell Sts., general contract, to E. Rokahr & Sons, 1743 South 24th St., $218,615. Noted Feb. 8.

N. D., Minot—Hospital—Trinity Lutheran Hospital Assn., general contract 5 story and basement, 38 x 120 ft., rein.-con., brick, tile and stone, to S. Olsen, Minot, $105,000. Noted Apr. 26.

Ark., Pine Bluff — Theatre — Saenger Amusement Co. general contract theatre, to Stewart McGehee Constr. Co., Kahn Bldg., Little Rock, $162,000.

Calif., Glendale—Bank and Office—Security Trust & Savings Bank, 500 South Spring St., Los Angeles, 6 story, brick and steel, Bway., general contract to J. V. Neil Co., I. W. Hellman Bldg., Los Angeles, $230,000. Noted June 7.

Que., Montreal — School — Protestant School Bd., Belmont St., 3 story, Rielle St., general contract to J. Sheaver & Co., St. Patrick St., $228,111; plumbing and heating to J. Tweedle & Co., 163 Lagch St., $60,484.

Ont., North Bay—Office—Temiskaming & Northern Ontario Ry., 3 story and basement, 600 x 100 ft., rein.-con., brick and stone, Regina St., general contract to Hill, Clarke & Francis, New Liskeard. Engrs. est. $150,000. Noted June 7.

Federal Government Work

PROPOSED WORK

N. Y., New York—Nurses' Quarters—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids construction complete, incl. mechanical equipment, nurses' quarters at U. S. Veterans' Hospital, Bronx, here. Will readvertise. Noted May 24.

Va., Norfolk—Heating Mains—Spec. 4840—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids heating mains at Navy Yard, here. Noted June 21.

Tex., Ft. Worth—Helium Plant—U. S. Government, Wash., or c/o A. G. Olson, commander U. S. Helium Plant, Decatur Rd., had plans prepared enlarging and improving helium plant, incl. new machinery, here. W. I. Wicks, U. S. Bureau Mines, engr.

Tex., Galveston—Seawall Extension—U. S. Engineer, Galveston, plans 2,850 ft. rein.-con. extension to east end of seawall. L. M. Adams, dist. engr.

Calif., San Diego—Barracks—Spec. 4765—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids barracks buildings at Naval Base, here. Noted June 14.

Calif., San Diego—Roads—Spec. 4766—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids roads, walks, curbs and grading at Naval Operating Base, here. Noted June 7.

Calif., San Diego—Service Extensions—Spec. 4764—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids service extensions to Marine Barracks A-1 and C-2, at Naval Base, here. Noted May 31.

Panama—Towers—Spec. 4858—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dismantling towers at St. Petersburg, Fla., and re-erecting same here.

BIDS DESIRED

Md., Baltimore—Dredging—July 31, at office U. S. Engineer, dredging in Queenstown Harbor, Md.; adv. this issue.

D. C., Wash.—Intake Chamber, etc.—July 20, at office U. S. Engineer, 250 Old Land Office Bldg., Items a, b and c being intake chamber, cut and cover conduit and tunnel respectively of water supply conduit for Dist. of Columbia; adv. this issue.

Minn., Duluth — Removing Superstructure, etc.—July 3, at office U. S. Engineer, Custom House, removing superstructure and replacing stone riprap, West Breakwater, Upper Entrance Keweenau Waterway, Mich.

Tex., Galveston—Dredging—July 21 at office U. S. Engineer, Galveston, dredging in Texas City Channel; adv. this issue.

Washington—Bridge—July 2, by C. H. Goodwin, ch. engr. U. S. Natl. Park Serv., at office Superintendent of Park, Longmire, 198 ft. steel cable highway span, in Ranier Natl. Park.

California—Bridges—July 3 by C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., Mills Bldg., San Francisco, Pine Creek Bridge, three 40 ft. concrete girders and Alviso Creek Bridge, two 40 ft. girders on concrete piers and abutments, in Santa Barbara Co. Noted May 17.

BIDS RECEIVED

R. I., Providence—Dredging—U. S. Engineer, Providence, dredging in Harbor, from Morris & Cummings Dredging Co., 17 State St., New York City, $0.154. Noted May 24.

N. Y., Geneva—Remodeling—Treas. Dept., Wash., D. C., remodeling and enlarging U. S. Post Office, here, from Pearce Bros., Inc., 220 West 42nd St., New York City, $14,958. Noted May 31.

D. C., Wash.—Generators, etc.—Chief of Engineers, U. S. A., 2825 Munitions Bldg., seven 150 kw. and 30 kw. Diesel generating sets complete with auxiliaries, etc., from Pacific Diesel Engine Co., 2896 Glascock St., Oakland, Calif., $125,650.

Ky., Dawson Springs—Recreation Building, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., recreation building and officers' quarters, here, (1) work complete, from J. C. Miller, Campbellsville, (1) $117,000 (2) $2,500 (3) $11,000 (4) $51,000 (180 days). Noted May 18.

Mich., Marquette—Breakwater—U. S. Engineer, Custom House, Duluth, Minn., repairs to breakwater, here, from Tidorocher Co., Detour, $62,379. Noted May 31.

Washington—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office, Portland, Ore., grading and surfacing 2.3 mi. Randle-Yakima Highway, Ranier Natl. Forest Rd., Lewis Co., from Lucich & Co., Seattle, 9,700 cu.yd. rock excav. $1.49, 15,700 cu.yd. earth excav. $0.65, 5,500 cu.yd. surfacing $2.85, 300 cu.yd. maintenance gravel or broken stone $2.70, etc., total $46,380. Noted May 31.

Calif., San Diego—U. S. Engineer Office, Central Bldg., Los Angeles, dredging from United Dredging Co., Central Bldg., Los Angeles, Area D, 75,000 cu.yd. $0.225 and Area E, 430,000 cu.yd. $0.229. Noted May 18.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer, dredging in Duck Island Harbor, Conn., to Columbia Dredging Co., 30 Church St., New York City, $36,800. Noted June 14.

N. Y., New York—Dike—U. S. Engineer, 616 Army Bldg., 3,400 ft. timber dike north of Shooters Island, New York and New Jersey, to Rhodes & Manvel, Inc., 90 West St., $75,786. Noted May 10.

N. J., Lakehurst—Hangar—Spec. 4849—Bureau Yards & Docks, Wash., D. C., balloon hangar here, to Donnell-Zane Co., 233 Bway., New York City, $5,118 (12 days).

Pa., Phila.—Dredging—U. S. Engineer, 815 Witherspoon Bldg., dredging in Delaware River, Phila. Harbor, 201,000 cu.yd. excav., maximum allowable overdepth 84,000 cu.yd., to Amer. Dredging Co., Mariner and Merchant Bldg., $68,340. Noted June 14.

Md., Perryville—Piping—Treas. Dept., Wash., D. C., installing underground steam piping, etc., at U. S. Veterans' Hospital, here, to Enterprise Steam and Hot water Heating Co., 600 North Howard St., Baltimore, Md., $18,625. Noted May 31.

D. C., Wash. — Laboratory — Bureau of Standards, high tension laboratory, to C. A. Hofferberth Constr. Co., Woodward Bldg., $11,340.

Fla., Pensacola—Bulkhead—Spec. 4837—Bureau Yards & Docks, Navy Dept., Wash., D. C., replacing bulkhead at Naval Air Station, to C. H. Turner, 17½ South Palafax St., $31,994 (240 days). Noted June 7.

Mich., Port Huron—Dredging—U. S. Engineer, Detroit, dredging Black River Channel, here, to Port Huron Sulphite & Paper Co., Port Huron, $12,700.

Minn., St. Cloud—Hospital—Spec. 4828—Bureau Yards & Docks, Navy Dept., Wash., D. C., hospital group for U. S. Veterans Hospital, here, to Carter-Halls-Aldinger Co., Ltd., Minneapolis, Minn., Item 6, construction of buildings, pipe tunnels and covered walks, $422,837; H. Kelly & Co., Plymouth Bldg., Minneapolis, plumbing and drainage, $112,500. Noted June 21.

Panama—Towers — Spec. 4858 — Bureau Yards & Docks, Navy Dept., Wash., D. C., dismantling towers at St. Petersburg, Fla. and erecting same at La Palma, C. Z., to Donnell-Zane Co., 233 Bway., New York City, $2,078. Noted June 7.

Miscellaneous

PROPOSED WORK

Conveyors etc.—Somerville, Mass.—See "Industrial Work."

Car Barns, etc.—Meriden, Conn.—Connecticut Co., 127 Church St., New Haven, plans car barns, etc., brick, plain foundation, Capitol Ave., here. To exceed $150,000. Private plans.

Sea Wall, etc—Greenwood, Miss.—Making plans sea wall left bank Yazoo River, $15,000; also 28,000 lin.ft. single light lamp post system. W. S. Hawkins, engr.

Power Line Extensions, etc.—Lenoir City, Tenn.—Tennessee Electric Power Co., Hamilton Natl. Bank Bldg., Chattanooga, recently purchased plant here and will provide additional service, line extensions, transformers, etc. $25,000.

Automatic Signal System — Kentucky — Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, plans equipping and installing automatic signal system from Louisville to Nashville, 187 mi. long. $1,000,000. W. H. Courtenay, ch. engr.

Fill—Ohio—See "Streets and Roads."

Stadium—Youngstown, O.—Bd. Educ. 20 West Wood St., rejected bids June 20, 1st

Miscellaneous (Continued)

unit of South High Stadium, consisting of 17 tiers, 398 ft. long, rein.-con. seats, $30,000. New plans will be prepared. Noted Dec. 14.

Transmission Line—Beaver Dam, Wis.—Wisconsin Light Power & Heat Co., Gay Bldg., Madison, plans 10 mi. high voltage transmission line along Beaver Dam Highway. $25,000. Engineer not selected.

Retaining Wall, etc.—Cedar Rapids, Ia.—See "Bridges."

Units, Gates, etc—Marinette, Wis.—Menominee & Marinette Light & Traction Co. having plans prepared for excavation of tail race, additional vertical units and additional flood and sluice gates. Mead & Seastone, Journal Bldg., Madison, engrs.

Power Unit, etc.—Peshtigo, Wis.—North Eastern Power Co., 559 Marshall St., Milwaukee, having plans prepared new 4,000 kva. unit in power plant and strengthening old dam incl. new abutments, gates, etc., here. $50,000. Mead & Seastone, Journal Bldg., Madison, engrs.

Transmission Line—Stockton, Mo.—See "Industrial Works."

Pipe Line, etc.—Corsicana, Tex.—Humble Oil Co., Great Southwestern Life Bldg., Dallas, plans 20 steel storage tanks, each 80,000 gal. capacity, also pipe line. $500,000. Private plans.

Underpass—Ft. Worth, Tex.—City plans underpass on 4th St. under Rock Island R.R. tracks. $75,000. D. L. Lewis, city engr.

Levee — Waxahachie, Tex.—Ellis Co. Levee Dist. 11, plans to reclaim 1,500 acres, levees on North Side of Chambers Creek. $52,000. W. H. Stovall, co. judge.

Electrollers—Fresno, Calif.—Had plans prepared furnishing and installing 155 electrollers with appurtenances in portions of Kerchoff Ave., Huntington Blvd., etc., c.i. and steel standards with single globe and lamp, set on concrete foundations, 2 ft. deep, 2 ft. wide, conduit to be galvanized metal tubing containing wire conductors. To exceed $25,000. W. Stranahan, city engr.

Loading Wharves—Petaluma, Calif.—See "Industrial Works."

River Levee—Sacramento, Calif.—H. G. Denton, city clk., takes bids about July 5, constructing river levee, concrete revetment. To exceed $75,000. A. Givan, city engr.

Piers—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., having preliminary plans prepared 3 piers, from 285 ft. to 350 ft. wide and from 1,200 to 1,500 ft. long, with sheds 115 ft. wide. F. G. White, Ferry Bldg., ch. engr.

Subway—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., having preliminary plans prepared for subway extending from Ferry Loop with terminals at Merchant and Mission Sts., distance of 2 city blocks. To exceed $25,000. F. G. White, ch. engr.

Power Development—Montreal, Que.—Canadian Paper Board Co., Seigneurs St., plans developing 800 hp., partly water turbines and balance steam driven electric generators, on Lachine Canal. $200,000. Kerry & Chace, Confederation Life Bldg., Toronto, engrs.

Bathing Pool—Hamilton, Ont.—City plans concrete bathing pool with sterilization equipment in Dundurn Park. $25,000. W. L. McFaul, city engr.

Power Development — Bancroft, Ont.—Bancroft Light, Heat & Power Co. plans development of 2,500 hp. at High Falls on Madawaska River, about 50 ft. head. $300,000. Private plans.

Transmission Line — Toronto, Ont.—Hydro Electric Power Comn. of Ontario, 190 University Ave., plans 3½ mi. 110,000 volt steel tower transmission line along waterfront from Humber River to Strachan Ave. $75,000. F. A. Gaby, ch. engr.

BIDS DESIRED

Asphaltic Cement, etc.—New York, N. Y.—July 2, by J. Miller, pres. Manhattan Boro. Municipal Bldg., 600,000 gal. asphaltic cement 15,000 cu.yd. asphalt wearing surface sand and 300,000 wood paving blocks.

Timber—Webb, N. Y.—July 20, by Water Control Comn., at office State Engineer, 158 State St., Albany, purchasing and removing merchantable timber and salable wood upon state land around shores of Stillwater Reservoir; bids by Bd. Black River Regulating Dist., at office Water Control Comn., 158 State St., Albany, clearing unmerchantable timber and timber growth from land around and above existing Stillwater Reservoir, etc., here. E. S. Cullings, secy. Bd. Black River Regulating Dist.; adv. this issue.

Underground Return Lines—New York, N. Y.—July 2, by Dept. Pub. Welfare, Municipal Bldg., renewing and repairing underground return lines, on Randalls Island. B. S. Coler, comr.

Landing—New Orleans, La.—July 5, by Bd. Port Comrs., 200 New Court Bldg., furnishings and erecting Poland St. landing, Contr. A involves 216 tons structural steel framing for shed (requisition E. D. 13,554); Contr. B 4,550 sq.ft. steel rolling doors (requisition E. D. 13,455).

Power Equipment, etc.—Taylorville, Ill.—July 16, by T. E. Hobson, mayor, and Bd. Aldermen, complete power plant equipment and distribution system; adv. this issue.

Pier—San Diego, Calif.—July 11, by City Council, constructing portion of mole type pier project, incl. concrete wharves, also sides and ends of pier wall. $300,000. F. G. White, Ferry Bldg., San Francisco, engr. Noted Apr. 4.

BIDS RECEIVED

Portland Cement—St. Paul, Minn.—H. W. Austin, city purch. agt., June 18, 253 bbl. Portland cement, for Dept. Pub. Wks., from Corning-Donohue Brick Co., 614 Ryan Bldg.; Minnesota Lime & Cement Co., Marshall Ave. and Albert St.; Speakes Co., Griggs and Fuller Sts.; Stiefel Material Co., 501 Concord St.; St. Paul Builders Material Co., 605 Ryan Bldg., Thompson Yards, Inc., 2694 University Ave., all above bid $2.70 per bbl. without sack, delivered, subject to 2 per cent discount for payment within 10 days. Noted June 14.

Sandstone Blocks—St. Paul, Minn.—H. W. Austin, city purch. agt., 800 sq.yd. sandstone blocks for Dept. Pub. Wks., from Sandstone Quarries Co., 510 Plymouth Bldg., Minneapolis, $2.74 per sq.yd., f.o.b. cars St. Paul. Noted June 14.

CONTRACTS AWARDED

Tower—Hartford, Conn.—Fuller Brush Co., 647 Main St., 4 story tower, brick veneer and steel, to R. G. Bent Co., 183 Ann St., $46,000. Noted May 24.

Paving Blocks—New York, N. Y.—Bd. Purch., Municipal Bldg., creosoted wood paving blocks, to W. J. Fitzgerald, 347 West 45th St., $22,565. Noted June 14.

Subway Changes—New York, N. Y.—Transit Comn., 49 Lafayette St., June 21 making changes in subway structure at Bway. incidental to widening of West 32nd St. and constructing ventilation flue at West 32nd St. and Bway., Routes 4 and 36, Manhattan Boro, from Benedetto & Sanssez, Franklin St., Astoria, $29,500. Noted June 14.

Structural Steel—Louisville, Ky.—Louisville & Nashville R.R. Co., 10th St. and Bway., in market for 150 tons structural steel for bridge work to be done by day labor. $9,000-$10,000. W. H. Courtenay, ch. engr.

Grade Separation—Detroit, Mich.—Grand Trunk Ry., Brush St. Terminal, grade separation on Dequindre St. line from Orleans to Fort Sts., incl. excavation and construction of bridges at intersections of railroad with Jefferson Ave., Larned and Congress Sts., to W. E. Lennane, 2631 Woodward Ave., $341,535. Noted Jan. 18.

Granite, etc.—Detroit, Mich—To Wisconsin Granite Co., 11 South La Salle St., Chicago, 500,000 granite blocks $106 per M, 10,650 cu.yd. crushed granite f.o.b. Detroit, $4.64 per cu.yd., total $102,416.

Wharf and Dock—Detroit, Mich.—Pub. Lighting Comn., Atwater St., E., rein.-con. wharf and dock, at site of proposed lighting plant, to Greiling Bros. 100 Blk. E. Walnut St., Green Bay, Wis., $417,400. Noted June 7.

Dike, etc. — Biron, (Wisconsin Rapids P. O.), Wis.—Consolidated Water Power & Paper Co., Wisconsin Rapids, 2 mi. dike, 100,000 cu.yd., approximately 10,000 cu.yd. rip rap, 10,000 cu.yd. rock excav., in connection with drainage project, to Rood Constr. Co., Wisconsin Rapids.

Athletic Stadium—Madison, Wis.—University of Wisconsin, addition to athletic stadium, rein.-con. and steel, to G. Nelson, 1117 Johnson St., $50,499.

Roof—Milwaukee, Wis.—Auditorium Bd., 5th and Cedar Sts., copper roof on Auditorium, to A. G. Goethel Co., 818 Winnebago St., $67,974.

Mechanical Equipment, etc. — Denton, Tex.—College of Industrial Arts, steam distribution system on campus, mechanical equipment to Jenison Bros., Elm St., Dallas, $46,526; concrete tunnels, to M. B. Whitlock, Denton, $47,517. Engrs. est. $100,000.

Street Lighting System—Tex., Edgewood—See "Waterworks."

Grain Elevator — Ft. Worth, Tex.—Ft. Worth Elevator Co., 1510 East 1st St., rein.-con. grain elevator, 1,750,000 bu. capacity, to Southwestern Eng. Co., Woodruff Bldg., Springfield, Mo., $1,500,000.

OFFICIAL PROPOSALS

Bids: July 9.

State Highway Work

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Route No. 1, Section No. 12, Rahway Avenue, Elizabeth, in the County of Union. Estimated 3,360 cu.yds. of excavation, and 24,550 sq.yds. of sheet asphalt pavement on a 6-in. concrete base.

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, July 9th, 1923, at 11:00 a.m., Standard Time, and opened and read immediately thereafter.

Route No. 10, Section No. 1C, Bluff Road-Anderson Avenue, in the County of Bergen. Estimated 1,865 cu.yds. of earth excavation, 3,500 cu.yds. of rock excavation, and 6,870 sq.yds. of double line eight-inch (8-in.) reinforced concrete pavement.

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, July 9th, 1923, at 11:15 a.m., Standard Time, and opened and read immediately thereafter.

Route No. 10, Section No. 2, Broad Avenue-Glenn Road, in the County of Bergen. Estimated 7,476 cu.yds. of excavation, and 17,825 sq.yds. of double line eight-inch (8-in.) reinforced concrete pavement.

Bids will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, July 9th, 1923, at 11:30 a.m., Standard Time, and opened and read immediately thereafter.

Drawing, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad St. Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein, and as required by the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certificate check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: July 17 (date extended).

Paving

Pottsville, Pa.

Sealed proposals will be received by the City Council of Pottsville, Pa., up to 7:30 o'clock p.m. Standard Time of Tuesday, July 17, 1923, for paving and improving portions of several streets of the City.

The work proposed consists of laying approximately thirty-five thousand (35,000) square yards of street paving on a concrete base with necessary grading, adjustment of curbs, etc.

Bidders may examine the plans and obtain a printed copy of the Specifications on application to the City Engineer and depositing five dollars ($5.00). The deposit will be returned on the return of the specifications in good condition with a bona fide proposal for the work contemplated.

The City Council reserves the right to reject any or all bids or parts of bids or to accept any bid considered the best for the City interests.

JOHN H. STRAUCH,
City Engineer.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

(Continued from page 393)

Bids: August. 7.

Neches River Bridge

Beaumont, Tex.

Sealed proposals addressed to B. B. Johnson, County Judge, Jefferson County for the construction of the proposed Neches River Bridge at Beaumont, Texas, will be received at the office of the County Judge, at Beaumont, until 11 o'clock, A.M., Tuesday, August 7, 1923, and then publicly opened and read.

DESCRIPTION OF WORK TO BE DONE

Furnishing of materials for and construction of a 122 ft. single leaf bascule span with necessary electrical operation devices and gasoline auxiliary; two 150 ft. steel approach trusses; nine 33 ft. concrete girder spans; fivve 35 ft. concrete girder spans and approximately 2,000 ft. of 19 foot span creosoted timber trestle. Foundation of bascule and approach trusses to be concrete piers on timber piling; concrete piles for 33 ft. concrete spans; concrete bents on timber piles for 35 ft. concrete spans, and creosoted timber piles for timber spans.

Bids will be considered as follows: (1) For the entire project if accompanied by a certified or cashiers check for twenty-four thousand dollars ($24,000.00); (2) For steel superstructure if accompanied by certified or cashiers check for eight thousand ($8,000.00) dollars; (3) Concrete substructure for steel superstructure if accompanied by certified or cashiers check for eight thousand ($8,000.00) dollars; (4) For combined concrete and timber spans if accompanied by certified or cashiers check for eight thousand ($8,000.00) dollars. These certified or cashiers checks must be made payable without recourse to the order of B. B. Johnson, County Judge of Jefferson County, as a guarantee that the bidder, if successful will enter into contract and make bond in accordance with requirements of the specifications. The right is reserved by the party of the first part to reject any and all proposals or to waive all technicalities.

Detailed plans and specifications may be seen at the office of A. C. Love, County Engineer, Beaumont, Texas, and at the office of the State Highway Department, Austin, Texas. Copies may be obtained from the County Engineer by payment of $7.50.

Proposals shall be submitted in sealed envelopes and marked "Bids for the construction of the Neches River Bridge at Beaumont, Texas."

All bids receieved will be retained by the County.

Bids: July 20.

Purchase of Merchantable Timber

Albany, N. Y.

Sealed bids for the purchase of the merchantable timber and salable wood upon the lands of the State of New York to be flowed by the enlargement of the Stillwater Reservoir on the Beaver River in the Town of Webb, Herkimer County, N. Y., will be received by the Water Control Comission at its office in the office of the State Engineer, 158 State St., Albany, N. Y., until one o'clock p.m., Standard Time, on the twentieth day of July, 1923; all bids and proposals will be publicly opened and read at the time and place aforesaid.

This contract will include the purchase and removal of the merchantable timber and salable wood upon the State land around the shores of the existing Stillwater Reservoir lying below a contour line approximately 19 feet higher than the crest of the spillway of the existing Stillwater Dam and above the flow line of the existing reservoir. The area to be lumbered includes about 3160 acres of state land.

The land will be divided into two sections, designated as Section I and II.

Section I will comprise all the State land to be flowed lying west of the east line of the middle one-third of Township 5, John Brown's Tract, and will contain approximately 1000 acres.

Section II will comprise all the State land to be flowed lying east of the east line of the middle one-third of Township 5, John Brown's Tract and will contain approximately 2160 acres.

Separate bids must be made for each section, but a bidder may bid on either or both sections.

Maps of the reservoir, regulations for lumbering and contract forms may be seen at the office of the Water Control Commission and the Conservation Commission at Albany, N. Y., and at the office of the Board of the Black River Regulating District, Watertown, N. Y. Copies of the maps, forms and regulations may be obtained from the Water Control Commission upon request.

Every bid must be accompanied by a certified check upon a National or New York State Bank payable to the Water Control Commission for five per centum (5%) of the amount of the bid.

The Commission reserves the right to reject any or all bids and to again advertise for further bids.

STATE OF NEW YORK
WATER CONTROL COMMISSION

Bids: August 1st.

Concrete Arch Bridge

Binghamton, N. Y.

Sealed proposals for the construction of a five-span reinforced concrete arch bridge will be received by the Board of Contract and Supply (Orrin J. Pickering, Secretary), Municipal Building, Binghamton, New York, until three o'clock in the afternoon of Wednesday, August 1st, 1923.

The work covers the bridge, its approaches and all appurtenances such as paving, curbing and lighting. The work includes among its items approximately 11,600 cu.yds. of concrete (not including pavement base), 9500 sq.yds. of paving and 310 tons of metal reinforcement. This list of items is not complete but is merely given to indicate the size of the job.

Proposals must be on forms furnished by the City. Plans, specifications and proposal sheets may be secured from the City Engineer until July 25th. Applications for such plans and specifications must be accompanied by $25. in cash or by a certified check for like amount. This deposit will be returned to all who bid on the work and also to all who do not bid but who return the plans and specifications in good order not later than July 30th.

Bidders must examine the site either personally or by an authorized representative at least seven days before the receipt of bids.

Each proposal must be accompanied by a deposit equal in amount to five per cent of the bid in cash or by a certified check for a like amount. The successful bidder will be required to give a surety company bond and to enter into a contract with the City of Binghamton for the performance of the work.

Board of Contract and Supply of the
City of Binghamton, N. Y.
By W. EARL WELLER,
City Engineer.

Bids: July 26.

Hydraulic Dredging

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans at their office, Suite 200 New Court Building, until 3:00 P.M., Thursday, July 26, 1923, and then publicly opened for hydraulic dredging from 750,000 to 1,500,000 cubic yards in the Inner Harbor Navigation Canal between the Lock and Louisville and Nashville R.R. Bridge.

A deposit of $1,000.00 in cash or certified check is required with each proposal.

A bond to the amount of fifty per cent (50%) of the sum bid is required with notarial contract.

Specifications and proposal forms are on file in the office of the Supervisor of Purchases, at No. 1 Canal Street, New Orleans, Louisiana. Complete sets will be furnished to prospective bidders on deposit of $10 which will be refunded to depositors who submit proposals or return sets in good condition.

The right is reserved to reject any or all bids and to waive informalities.

J. H. WALSH,
General Manager.

Bids: July 10.

Sewer System and Appurtenances

Essex Junction, Vt.

Sealed proposals, properly endorsed, for building a sewer system and appurtenances in the Village of Essex Junction, Vermont will be received by the Trustees of the Village of Essex Junction at the office of Allen Martin, Village Clerk until two p.m. July 10, 1923. at which time they will be publicly opened and read.

All proposals must be made on the blanks furnished by the Trustees and enclosed in a plain sealed envelope addressed to Village Trustees, Essex Junction, Vt. and endorsed "Proposal for Sewer System."

Each proposal must be accompanied by a certified check for one thousand (1000) dollars, made payable to the Treasurer of the Village of Essex Junction, Vt. The certified checks of the unsuccessful bidders will be promptly returned to them and that of the successful bidder when he has signed the contract and executed the bond.

A bond acceptable to the Trustees for fifty (50) per cent of the lump sum bid will be required of the successful bidder when the contract is signed.

The proposed system calls for approximately six miles of sewers from 6" to 27" in diameter.

Plans and Specifications may be obtained at the office of Allen Martin, Village Clerk, Essex Jct., Vt.

A deposit of ten (10) dollars will be required for each set of plans and specifications, which will be returned if the plans and specifications are returned to the Village Clerk by July 20, 1923.

The Trustees reserve the right to reject any or all bids.

L. A. EVANS,
President.

Bids: July 12.

Bridge

Fort Wayne, Ind.

Notice is hereby given that the Board of County Commissioners of Allen County, Indiana, will receive sealed proposals or bids at the Auditor's office in Allen County, Indiana, until 10 o'clock A. M. on the 12th day of July, 1923, for the erection and construction of a bridge over the Maumee River at Columbia Street, Fort Wayne, Indiana.

Plans and specifications and profiles have been adopted by the Board of Commissioners and are now on file in the office of the County Auditor for the inspection of bidders.

Plans and specifications can be had on application to Orin M. Darling, County Engineer, Fort Wayne, Indiana.

Bids must be accompanied by a good and sufficient bond equal to double the amount of the bid, as required by law and the necessary affidavits required by law in the State of Indiana, in such cases made and provided.

Bonds signed by two or more freeholders and residents of the county, or by a properly authorized and qualified bonding or surety company, will be accepted by the board.

Bidders must submit their proposals, bids and affidavits on blank forms to be furnished by the County Auditor on application.

The Board of Commissioners reserves the right to reject any and all bids.

By order of the County Commissioners of Allen County, Indiana.

A. J. BAKER,
GUST F. HILGEMAN,
T. J. SHEEHAN,
Board of County Commissioners,
Allen County, Indiana.

Attest:
JOHN H. JOHNSON, Auditor,
Allen County, Indiana